

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042825\  
 Data File : VL042426.D  
 Acq On : 28 Apr 2025 15:08  
 Operator : SY/MD  
 Sample : Q1880-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EBR-P02-SL-IA02-20250423

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025  
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:38:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.781  | 49    | 135538   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.952  | 114   | 375715   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.875  | 117   | 317341   | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.370 | 95    | 274941   | 10.543   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 105.400% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 1.496  | 85    | 11406    | 0.476    | ppbv   | 98       |
| 3) Chlorodifluoromethane    | 1.473  | 51    | 10409m   | 0.456    | ppbv   |          |
| 4) Chloromethane            | 1.531  | 50    | 5297     | 0.559    | ppbv   | 94       |
| 9) Propene                  | 1.486  | 41    | 5107     | 0.492    | ppbv # | 15       |
| 11) Trichlorofluoromethane  | 1.874  | 101   | 7696     | 0.338    | ppbv   | 86       |
| 13) Ethanol                 | 1.719  | 45    | 164901   | 99.903   | ppbv   | 74       |
| 15) Acetone                 | 1.832  | 43    | 135399   | 6.102    | ppbv # | 88       |
| 19) Isopropyl Alcohol       | 1.884  | 45    | 31595    | 2.563    | ppbv # | 23       |
| 20) Methylene Chloride      | 2.059  | 84    | 7130     | 0.821    | ppbv   | 89       |
| 26) Hexane                  | 2.823  | 57    | 7034     | 0.318    | ppbv # | 4        |
| 30) Cyclohexane             | 3.852  | 84    | 11034    | 0.617    | ppbv # | 89       |
| 34) 2-Butanone              | 2.557  | 43    | 8551     | 0.288    | ppbv   | 96       |
| 35) Carbon Tetrachloride    | 3.758  | 117   | 2310m    | 0.068    | ppbv   |          |
| 36) Benzene                 | 3.648  | 78    | 4650m    | 0.115    | ppbv   |          |
| 53) Toluene                 | 6.923  | 91    | 16750    | 0.344    | ppbv # | 20       |
| 59) m/p-Xylene              | 9.529  | 91    | 6625m    | 0.131    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

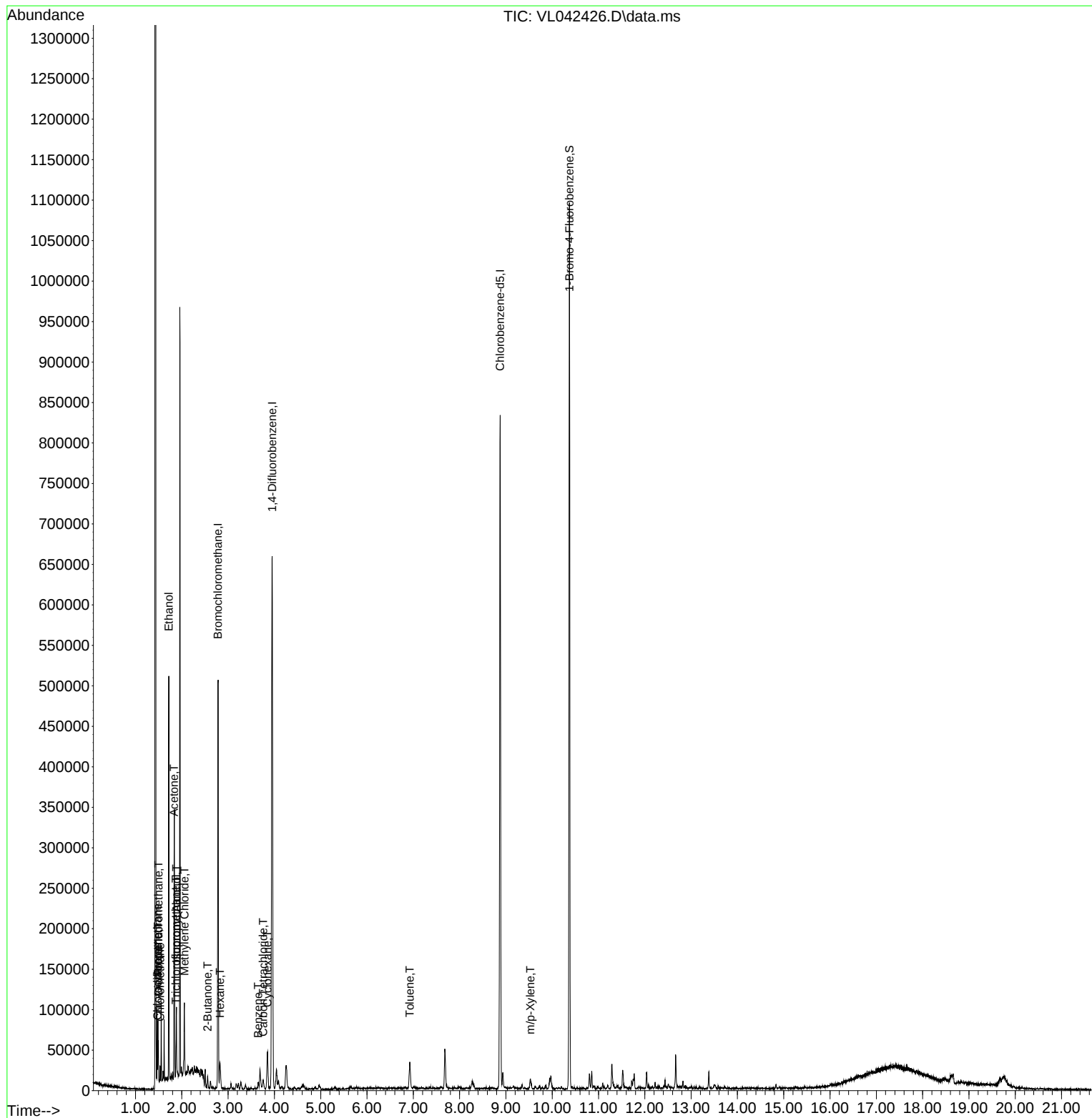
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042825\  
Data File : VL042426.D  
Acq On : 28 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1880-02  
Misc : 400mL/MSVOA\_L  
ALS Vial : 13 Sample Multiplier: 1

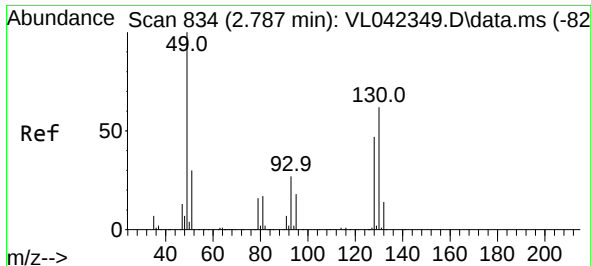
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P02-SL-IA02-20250423

Quant Time: Apr 29 01:38:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration

Manual Integrations  
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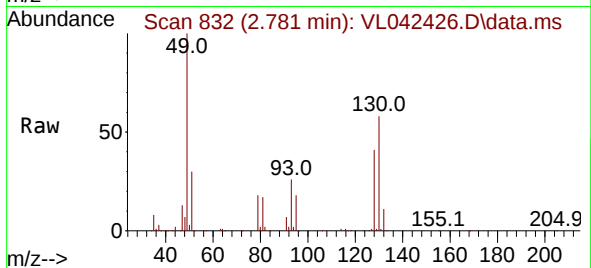
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.781 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

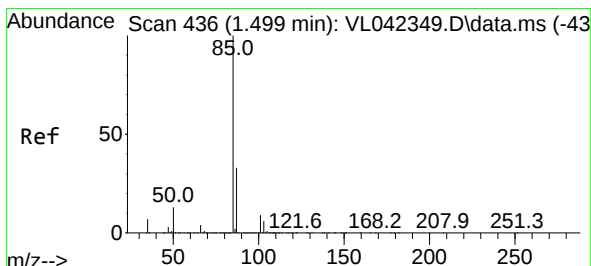
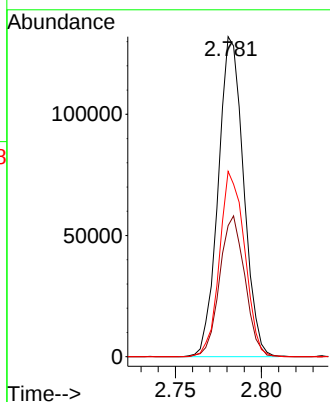
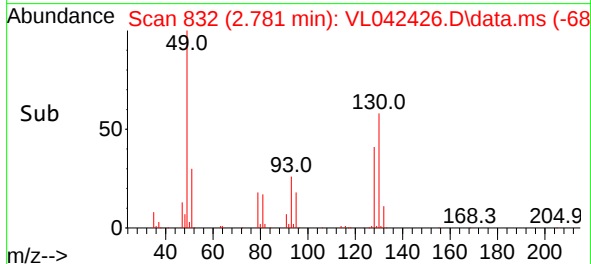
Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423



Tgt Ion: 49 Resp: 135538  
Ion Ratio Lower Upper  
49 100  
128 43.7 22.8 68.4  
130 57.2 29.3 88.0

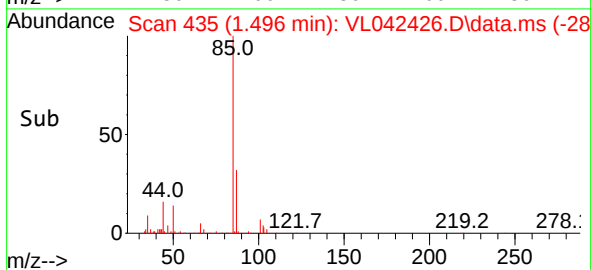
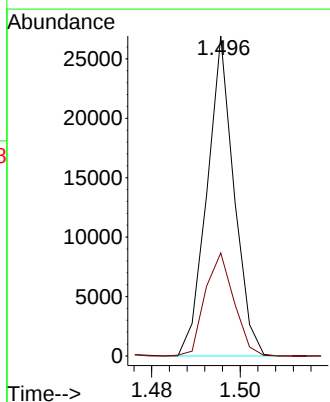
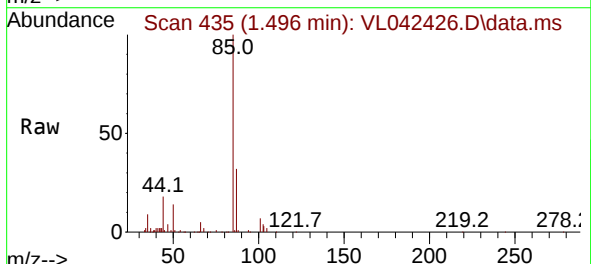
Manual Integrations  
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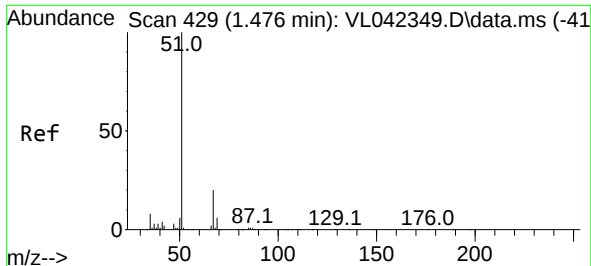
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#2  
Dichlorodifluoromethane  
Concen: 0.476 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

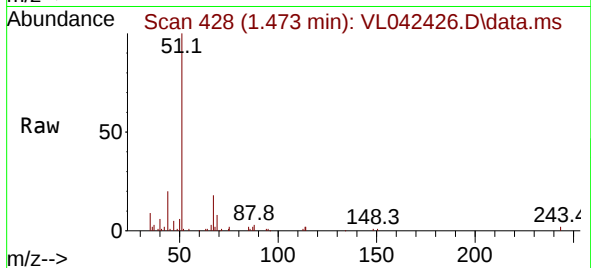
Tgt Ion: 85 Resp: 11406  
Ion Ratio Lower Upper  
85 100  
87 32.2 26.6 39.8





#3  
Chlorodifluoromethane  
Concen: 0.456 ppbv m  
RT: 1.473 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

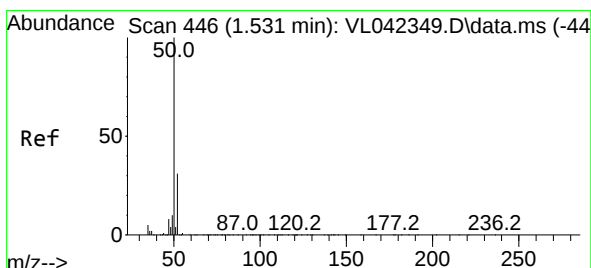
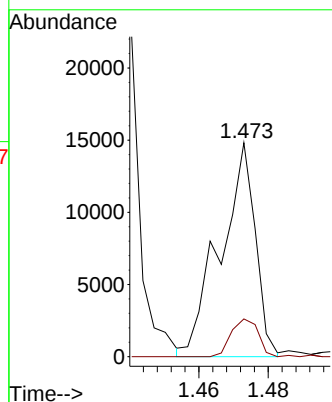
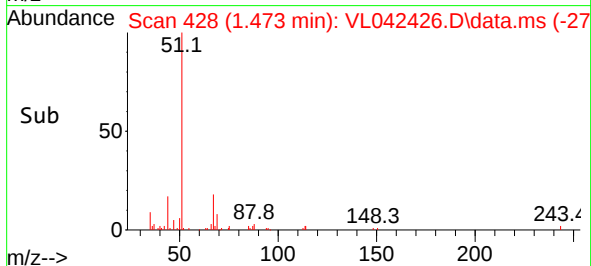
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P02-SL-IA02-20250423



Tgt Ion: 51 Resp: 10409  
Ion Ratio Lower Upper  
51 100  
67 13.9 16.2 24.4

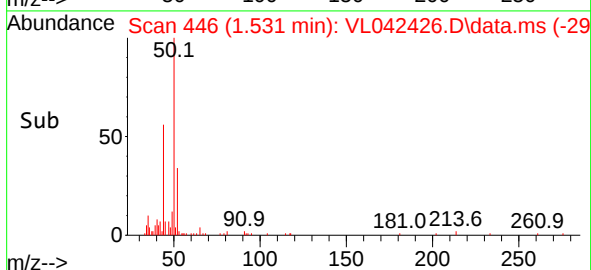
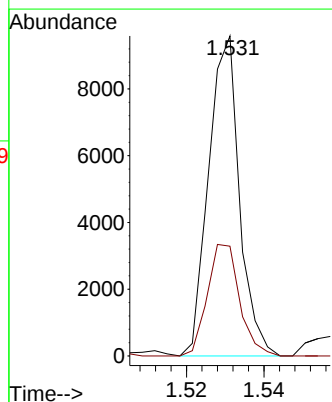
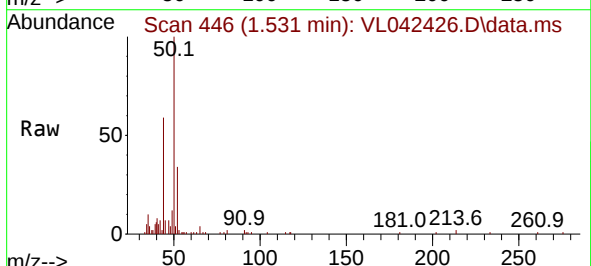
Manual Integrations  
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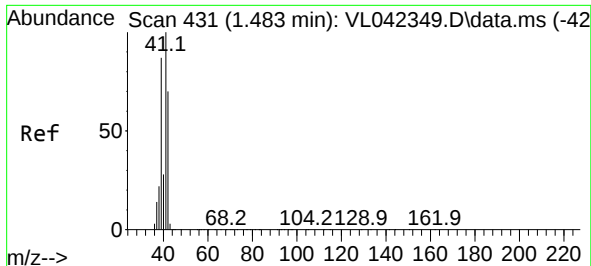
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#4  
Chloromethane  
Concen: 0.559 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

Tgt Ion: 50 Resp: 5297  
Ion Ratio Lower Upper  
50 100  
52 34.3 24.7 37.1





#9

Propene

Concen: 0.492 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042426.D

Acq: 28 Apr 2025 15:08

Instrument :

MSVOA\_L

ClientSampleId :

EBR-P02-SL-IA02-20250423

Tgt Ion: 41 Resp: 510

Ion Ratio Lower Upper

41 100

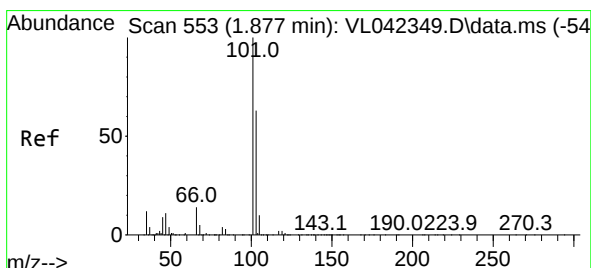
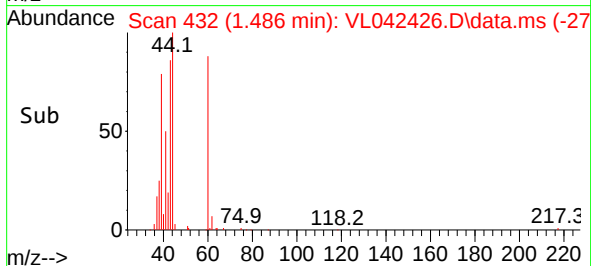
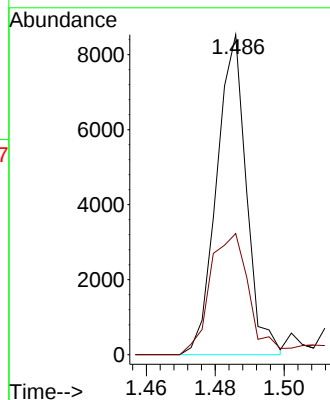
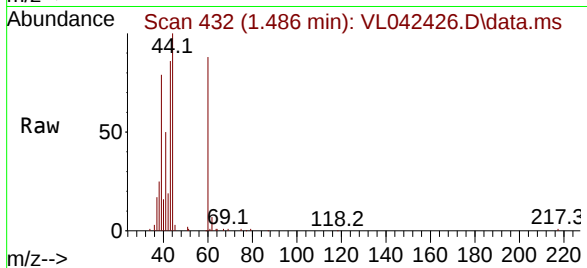
42 0.0 56.2 84.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#11

Trichlorofluoromethane

Concen: 0.338 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.003 min

Lab File: VL042426.D

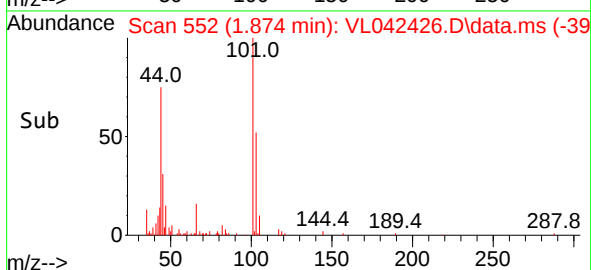
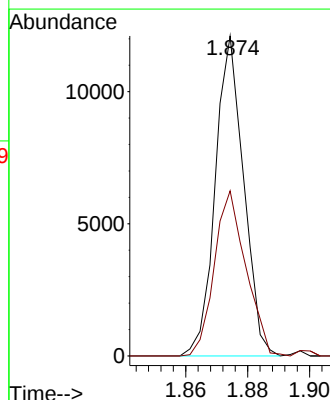
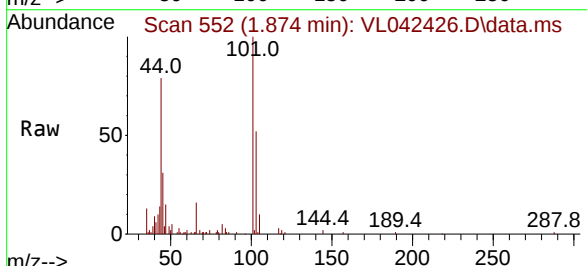
Acq: 28 Apr 2025 15:08

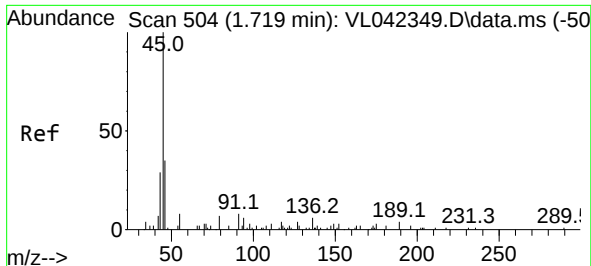
Tgt Ion:101 Resp: 7696

Ion Ratio Lower Upper

101 100

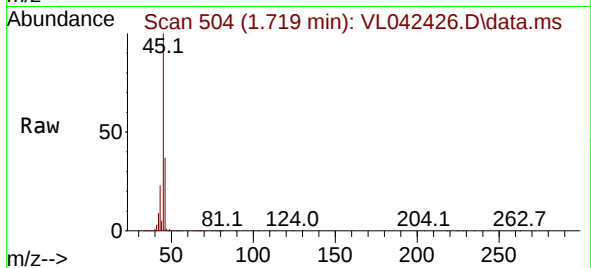
103 51.6 50.1 75.1





#13  
Ethanol  
Concen: 99.903 ppbv  
RT: 1.719 min Scan# 504  
Delta R.T. 0.000 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

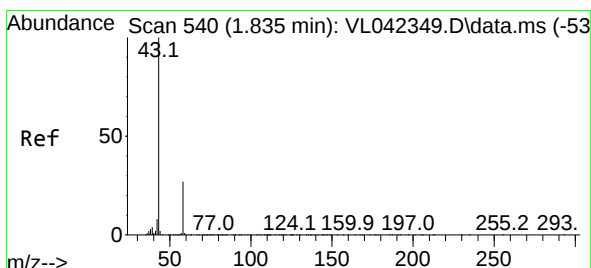
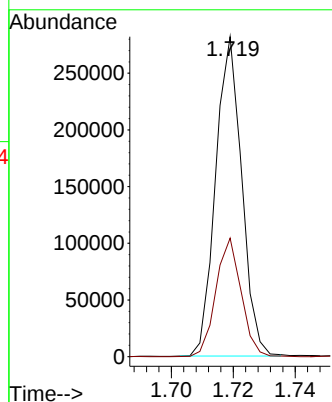
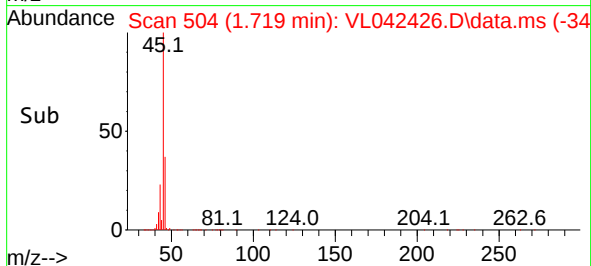
Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423



Tgt Ion: 45 Resp: 16490  
Ion Ratio Lower Upper  
45 100  
46 36.2 21.9 87.7

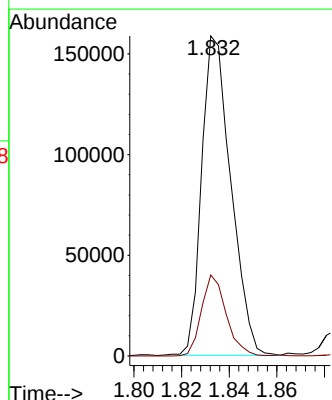
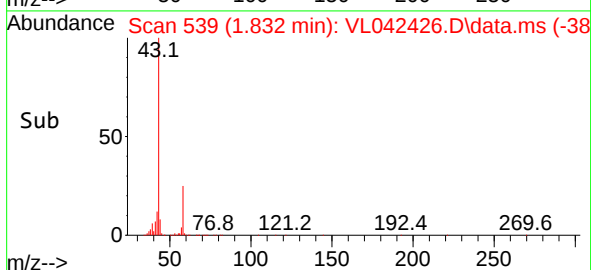
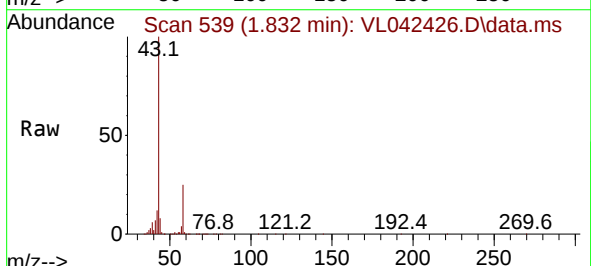
Manual Integrations  
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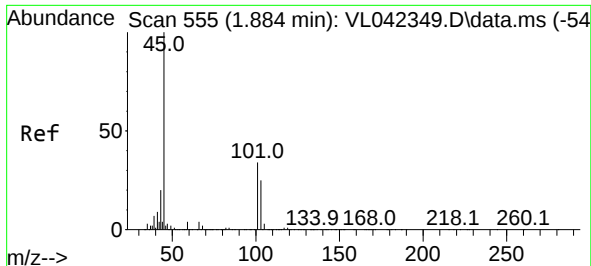
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#15  
Acetone  
Concen: 6.102 ppbv  
RT: 1.832 min Scan# 539  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

Tgt Ion: 43 Resp: 135399  
Ion Ratio Lower Upper  
43 100  
58 21.6 22.4 33.6#





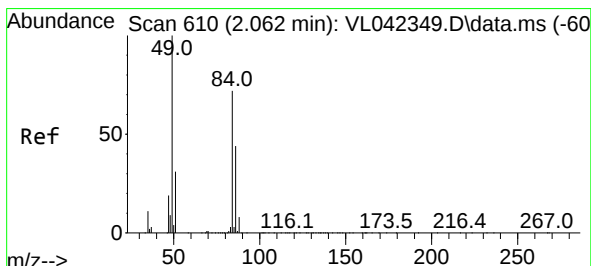
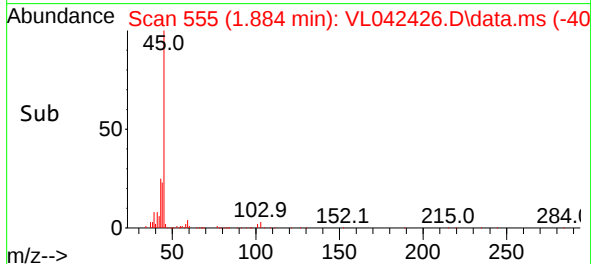
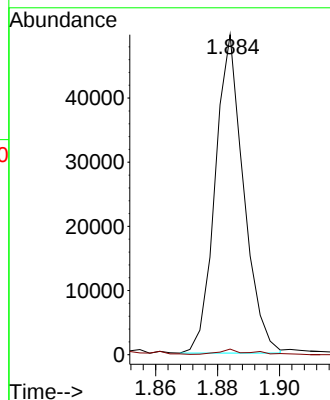
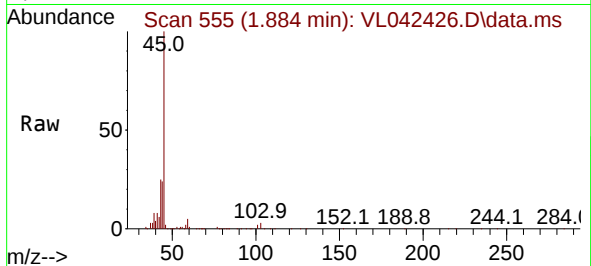
#19  
Isopropyl Alcohol  
Concen: 2.563 ppbv  
RT: 1.884 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423

Tgt Ion: 45 Resp: 3159  
Ion Ratio Lower Upper  
45 100  
58 92.7 34.5 51.7

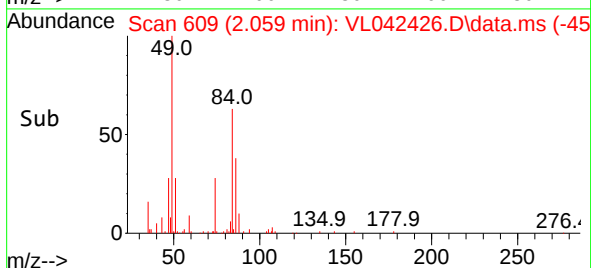
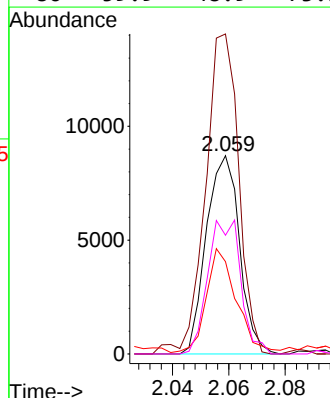
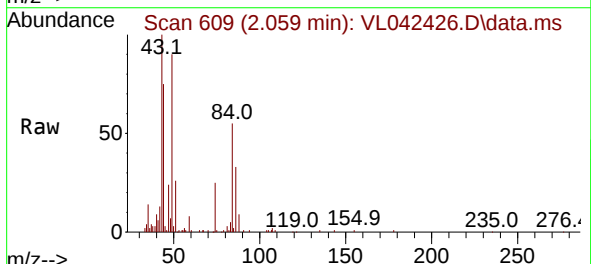
Manual Integrations  
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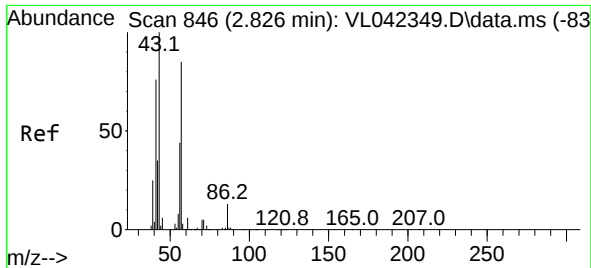
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#20  
Methylene Chloride  
Concen: 0.821 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

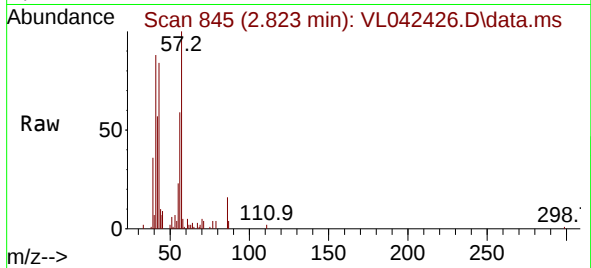
Tgt Ion: 84 Resp: 7130  
Ion Ratio Lower Upper  
84 100  
49 161.4 111.6 167.4  
51 45.1 35.1 52.7  
86 59.9 48.9 73.3





#26  
Hexane  
Concen: 0.318 ppbv  
RT: 2.823 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

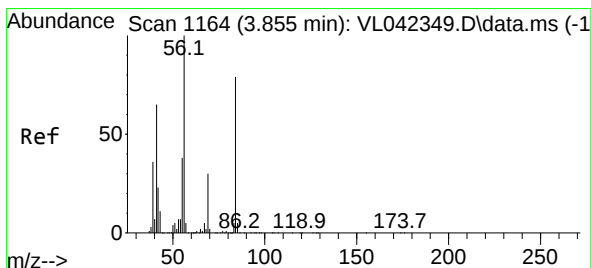
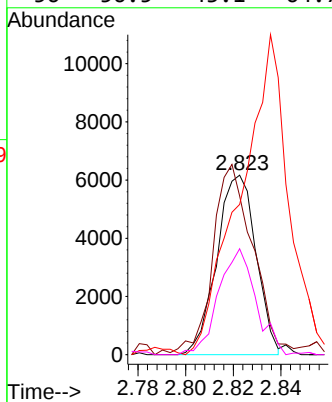
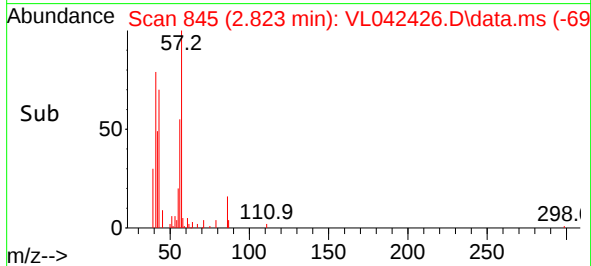
Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423



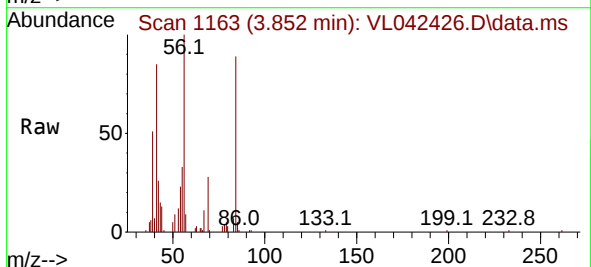
Tgt Ion: 57 Resp: 7034  
Ion Ratio Lower Upper  
57 100  
41 112.6 77.9 116.9  
43 0.0 208.4 312.6  
56 56.5 43.1 64.7

Manual Integrations  
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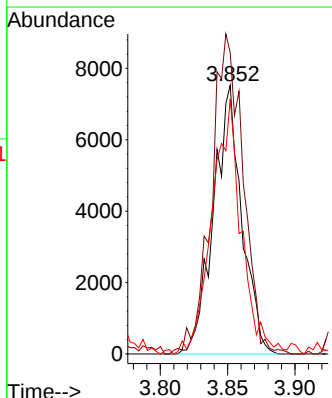
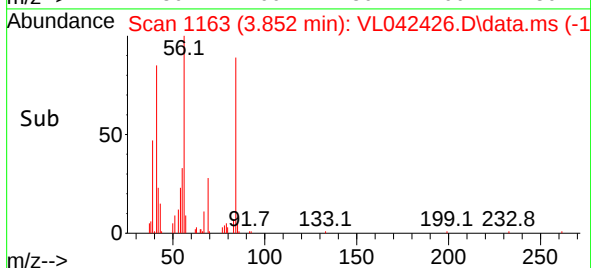
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

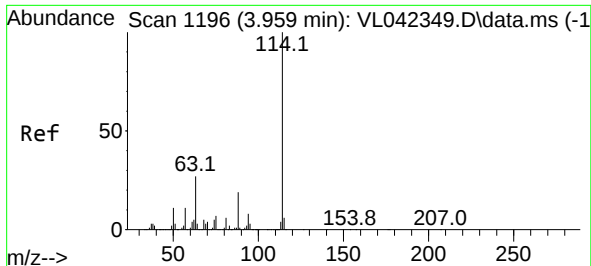


#30  
Cyclohexane  
Concen: 0.617 ppbv  
RT: 3.852 min Scan# 1163  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08



Tgt Ion: 84 Resp: 11034  
Ion Ratio Lower Upper  
84 100  
56 132.7 101.0 151.4  
41 101.4 67.4 101.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VL042426.D

Acq: 28 Apr 2025 15:08

Instrument :

MSVOA\_L

ClientSampleId :

EBR-P02-SL-IA02-20250423

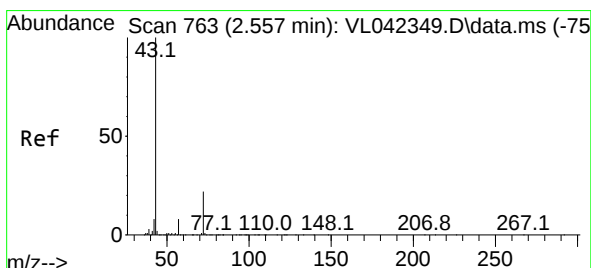
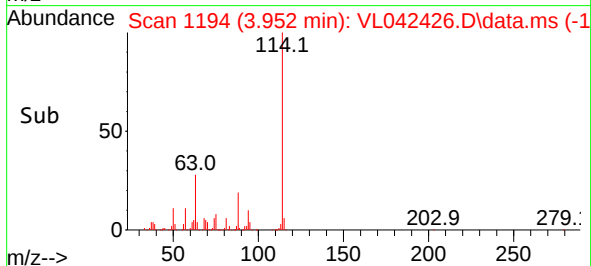
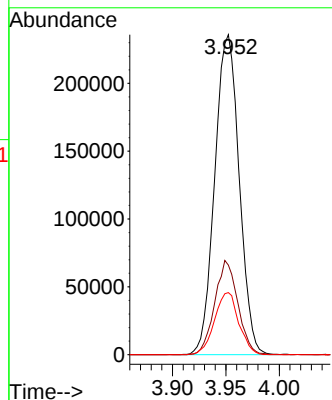
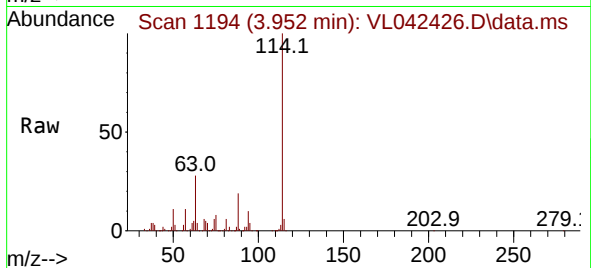
Tgt Ion:114 Resp: 37571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 27.8  | 21.8  | 32.6  |
| 88  | 19.2  | 15.5  | 23.3  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#34

2-Butanone

Concen: 0.288 ppbv

RT: 2.557 min Scan# 763

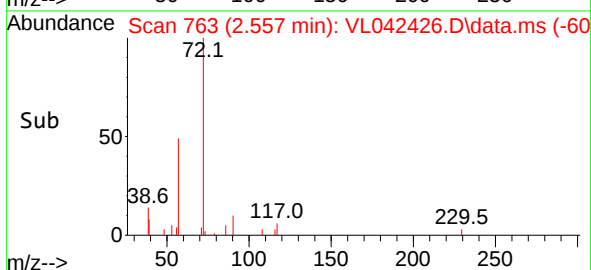
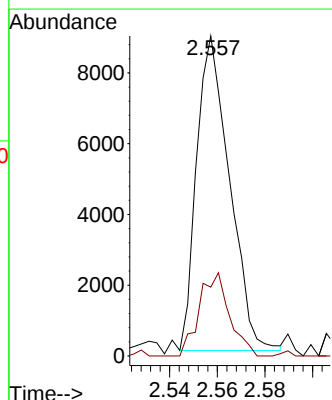
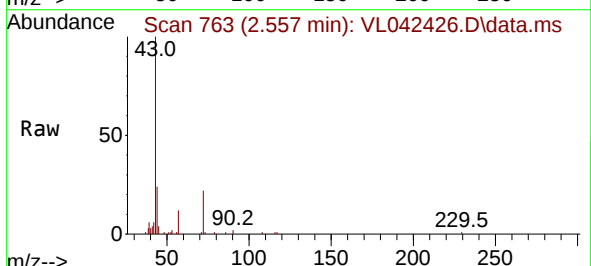
Delta R.T. 0.000 min

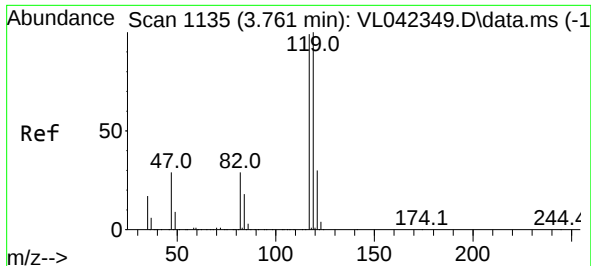
Lab File: VL042426.D

Acq: 28 Apr 2025 15:08

Tgt Ion: 43 Resp: 8551

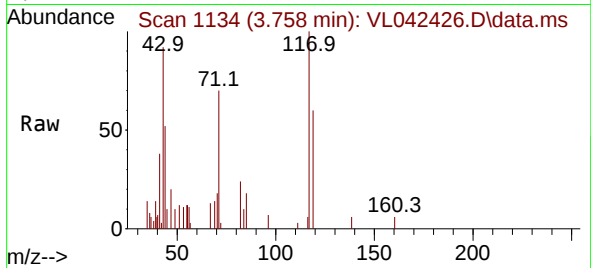
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 24.7  | 18.2  | 27.2  |





#35  
Carbon Tetrachloride  
Concen: 0.068 ppbv m  
RT: 3.758 min Scan# 1135  
Delta R.T. -0.003 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

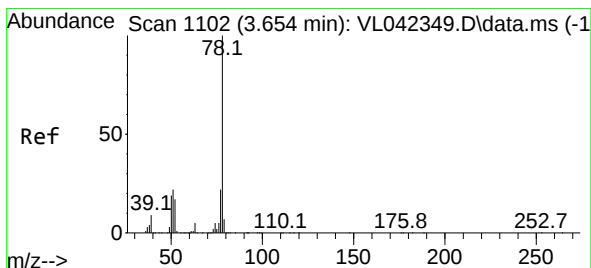
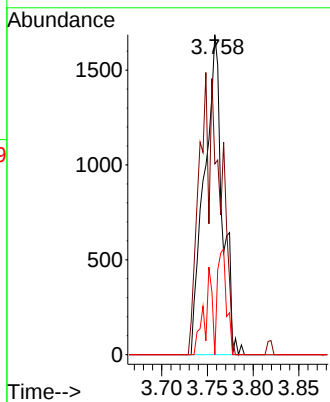
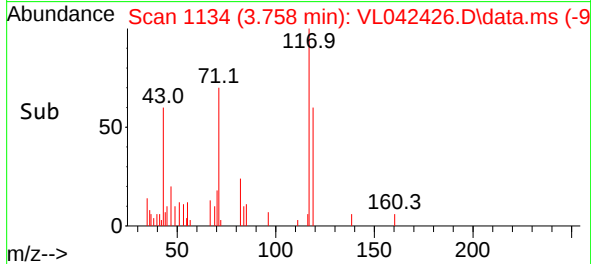
Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423



Tgt Ion:117 Resp: 2310  
Ion Ratio Lower Upper  
117 100  
119 59.6 80.5 120.7  
121 0.0 24.2 36.2

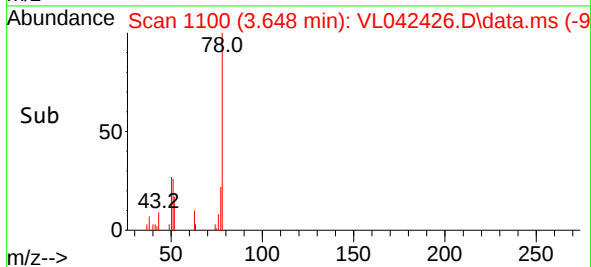
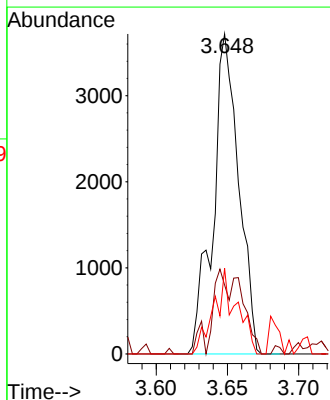
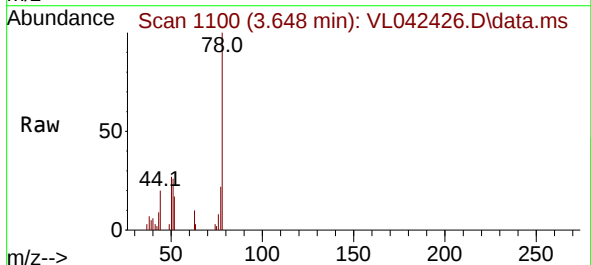
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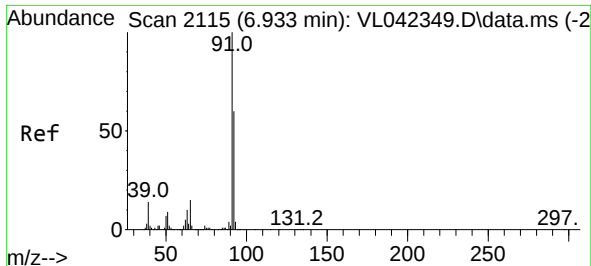
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#36  
Benzene  
Concen: 0.115 ppbv m  
RT: 3.648 min Scan# 1100  
Delta R.T. -0.006 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

Tgt Ion: 78 Resp: 4650  
Ion Ratio Lower Upper  
78 100  
77 21.5 17.4 26.0  
50 26.8 15.5 23.3





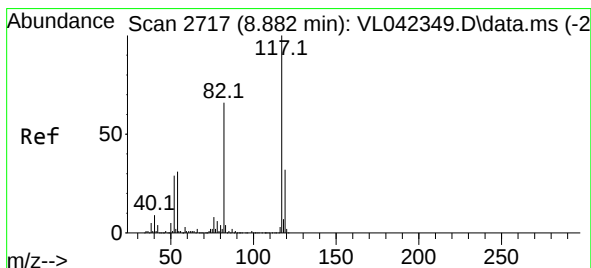
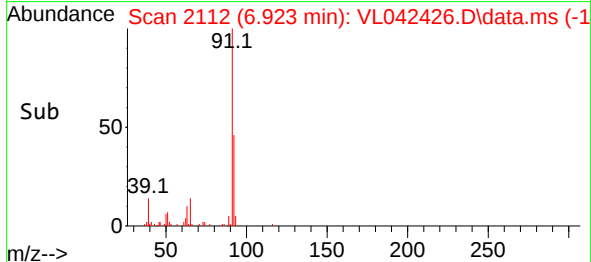
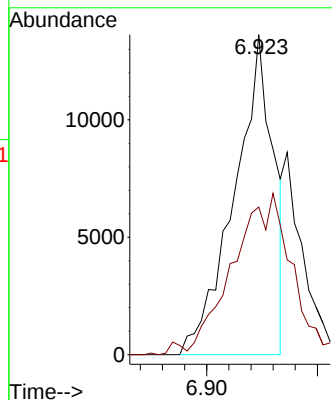
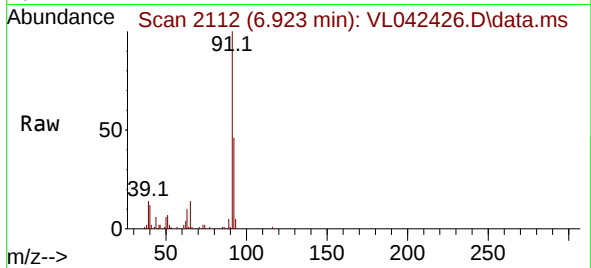
#53  
Toluene  
Concen: 0.344 ppbv  
RT: 6.923 min Scan# 2115  
Delta R.T. -0.010 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423

Tgt Ion: 91 Resp: 16750  
Ion Ratio Lower Upper  
91 100  
92 0.0 48.2 72.4

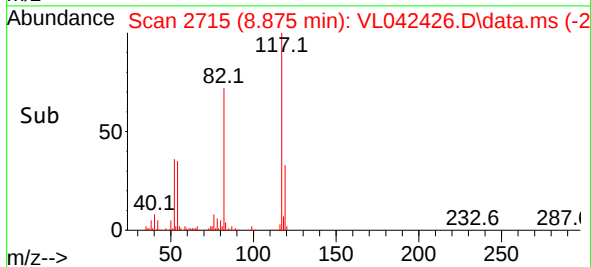
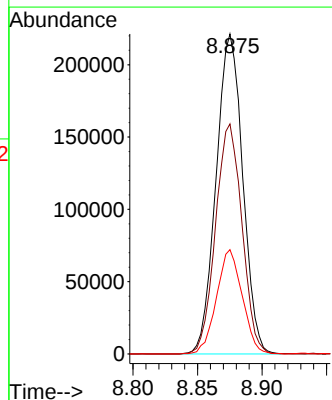
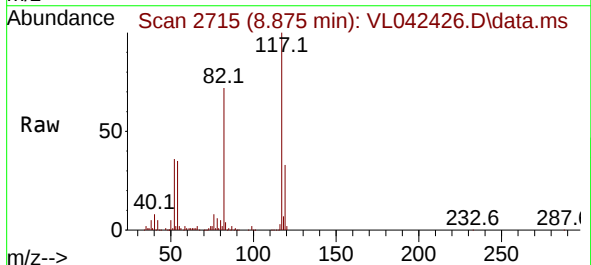
Manual Integrations  
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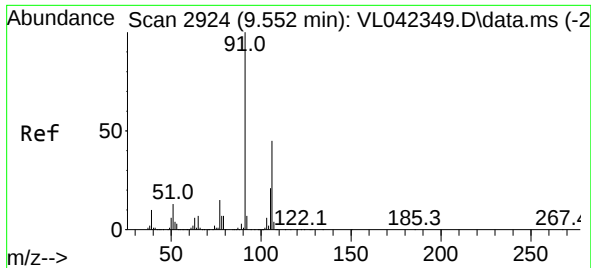
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.875 min Scan# 2715  
Delta R.T. -0.006 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

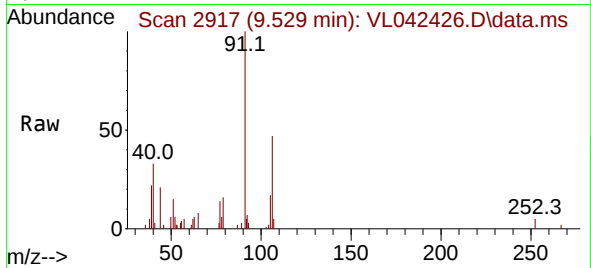
Tgt Ion:117 Resp: 317341  
Ion Ratio Lower Upper  
117 100  
82 71.3 57.8 86.6  
119 31.5 25.2 37.8





#59  
m/p-Xylene  
Concen: 0.131 ppbv m  
RT: 9.529 min Scan# 2917  
Delta R.T. -0.023 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

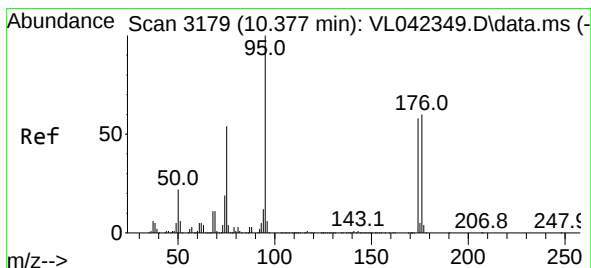
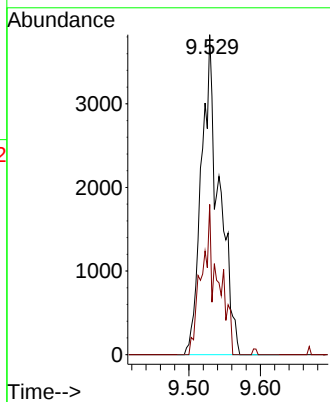
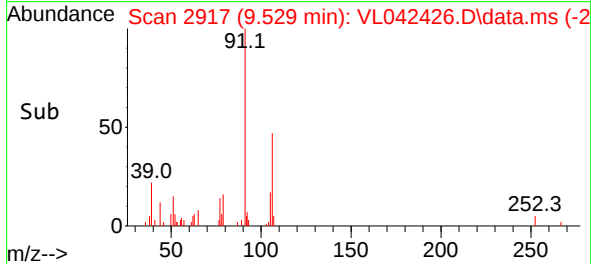
Instrument : MSVOA\_L  
ClientSampleId : EBR-P02-SL-IA02-20250423



Tgt Ion: 91 Resp: 662  
Ion Ratio Lower Upper  
91 100  
106 0.0 35.4 53.2

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.543 ppbv  
RT: 10.370 min Scan# 3177  
Delta R.T. -0.006 min  
Lab File: VL042426.D  
Acq: 28 Apr 2025 15:08

Tgt Ion: 95 Resp: 274941  
Ion Ratio Lower Upper  
95 100  
174 53.1 48.5 72.7  
175 4.0 3.7 5.5

