

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110625\  
 Data File : VL043167.D  
 Acq On : 06 Nov 2025 14:54  
 Operator : SY/MD  
 Sample : Q3555-03DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 151-SG-1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025  
 Supervised By :Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:23:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2025  
 QLast Update : Wed Oct 15 02:12:58 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.787  | 49    | 109979   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.959  | 114   | 312659   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.882  | 117   | 255972   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 199265   | 10.015   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.200% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 1.722  | 45    | 2015m    | 0.726    | ppbv   |          |
| 15) Acetone                 | 1.835  | 43    | 32439    | 2.188    | ppbv   | 99       |
| 19) Isopropyl Alcohol       | 1.887  | 45    | 3845     | 0.416    | ppbv # | 1        |
| 20) Methylene Chloride      | 2.062  | 84    | 2231     | 0.381    | ppbv # | 90       |
| 26) Hexane                  | 2.826  | 57    | 4364     | 0.258    | ppbv # | 36       |
| 29) Chloroform              | 2.849  | 83    | 199631   | 8.134    | ppbv   | 97       |
| 34) 2-Butanone              | 2.564  | 43    | 2423m    | 0.115    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

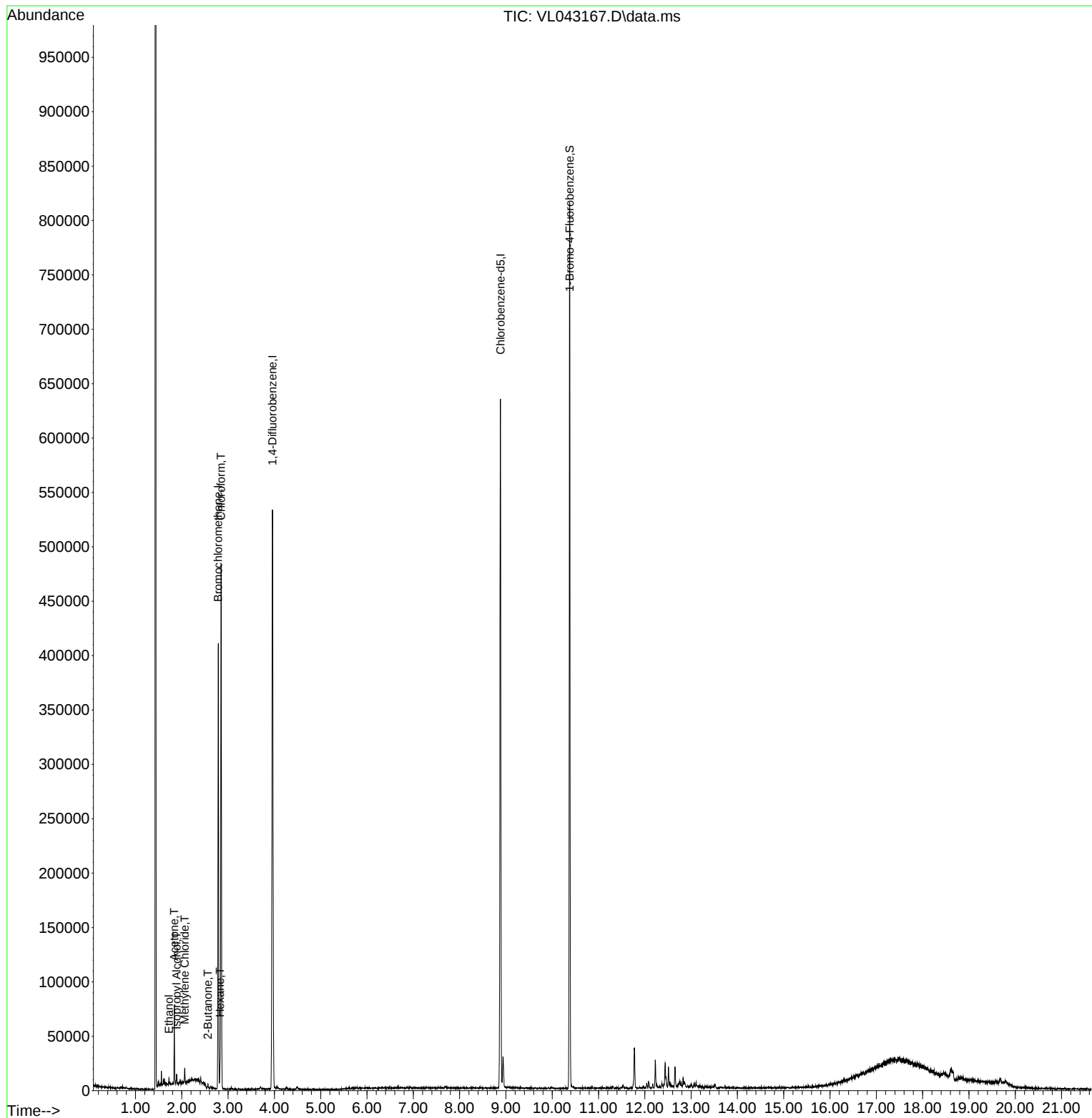
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110625\  
Data File : VL043167.D  
Acq On : 06 Nov 2025 14:54  
Operator : SY/MD  
Sample : Q3555-03DL 10X  
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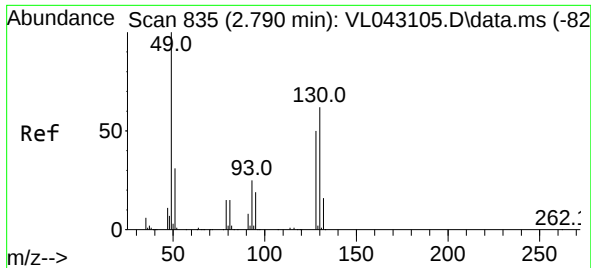
Instrument :  
MSVOA\_L  
ClientSampleId :  
151-SG-1DL

Quant Time: Nov 07 00:23:25 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed Oct 15 02:12:58 2025  
Response via : Initial Calibration

Manual Integrations  
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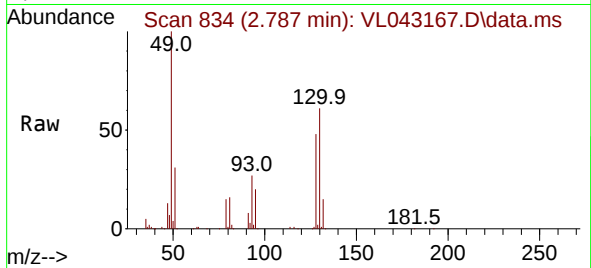
Reviewed By : Semsettin Yesilyurt 11/10/2025  
Supervised By : Mahesh Dadoda 11/10/2025





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

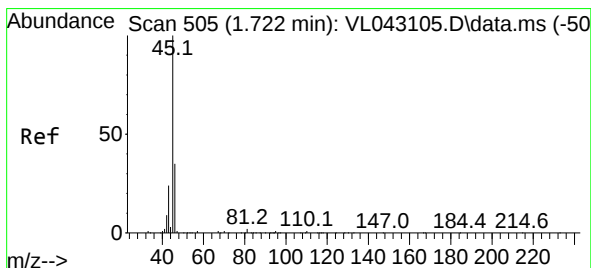
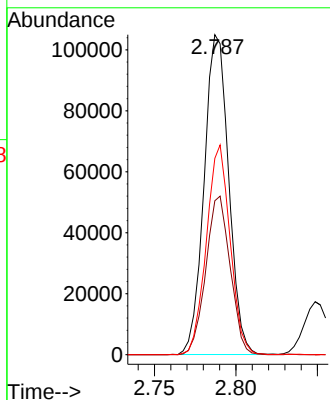
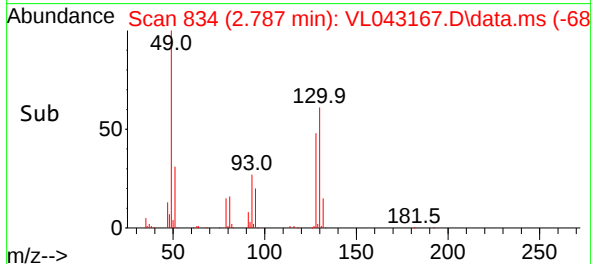
Instrument :  
MSVOA\_L  
ClientSampleId :  
151-SG-1DL



Tgt Ion: 49 Resp: 109979  
Ion Ratio Lower Upper  
49 100  
128 49.2 24.4 73.4  
130 63.3 31.0 93.0

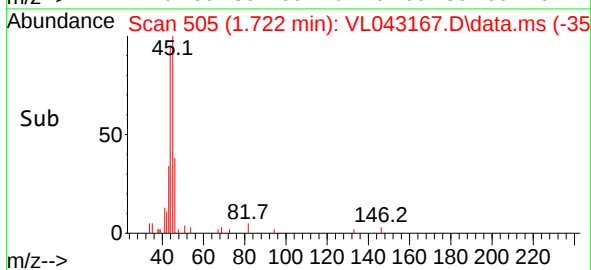
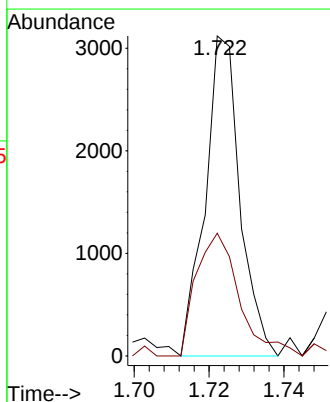
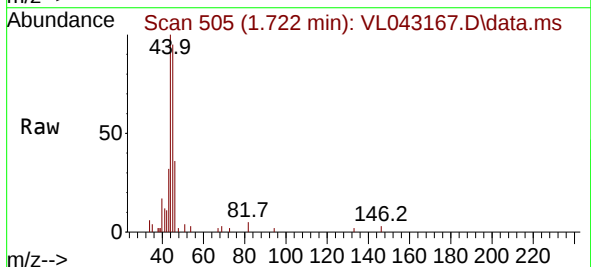
Manual Integrations  
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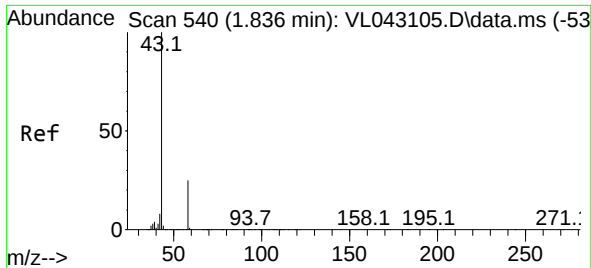
Reviewed By :Semsettin Yesilyurt 11/10/2025  
Supervised By :Mahesh Dadoda 11/10/2025



#13  
Ethanol  
Concen: 0.726 ppbv m  
RT: 1.722 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

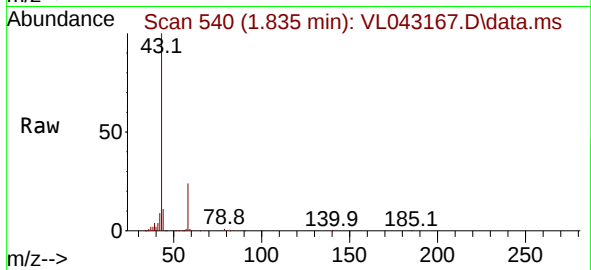
Tgt Ion: 45 Resp: 2015  
Ion Ratio Lower Upper  
45 100  
46 0.0 14.7 58.9#





#15  
Acetone  
Concen: 2.188 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. -0.000 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

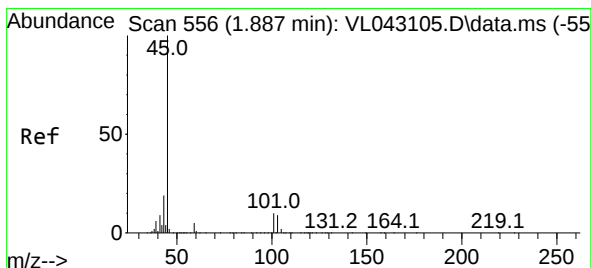
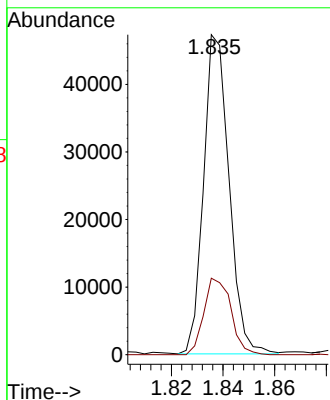
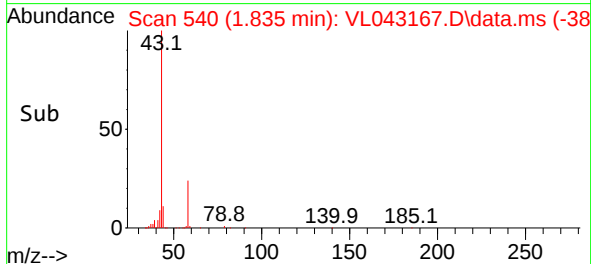
Instrument :  
MSVOA\_L  
ClientSampleId :  
151-SG-1DL



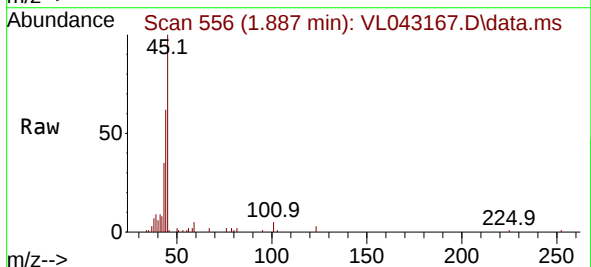
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Ion Ratio Lower Upper  
43 100  
58 25.3 20.8 31.2

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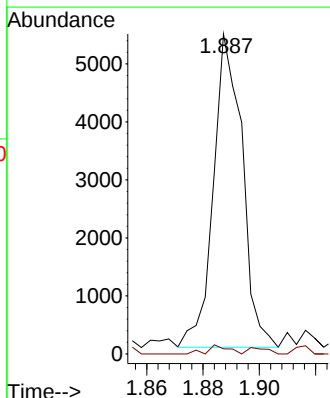
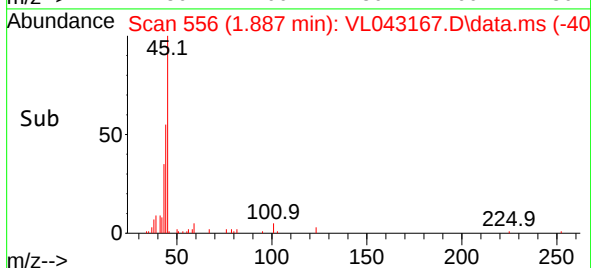
Reviewed By :Semsettin Yesilyurt 11/10/2025  
Supervised By :Mahesh Dadoda 11/10/2025

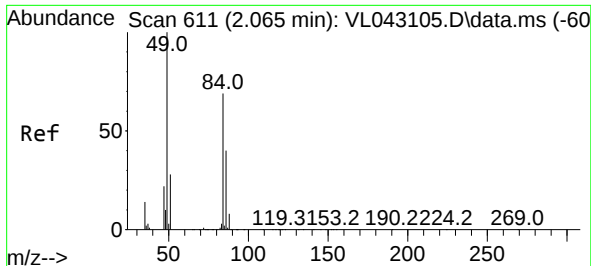


#19  
Isopropyl Alcohol  
Concen: 0.416 ppbv  
RT: 1.887 min Scan# 556  
Delta R.T. -0.000 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54



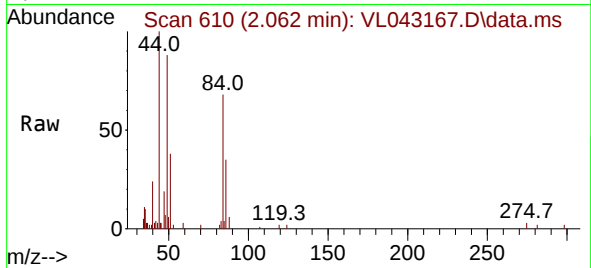
Tgt Ion: 45 Resp: 3845  
Ion Ratio Lower Upper  
45 100  
58 213.7 31.3 46.9#





#20  
Methylene Chloride  
Concen: 0.381 ppbv  
RT: 2.062 min Scan# 611  
Delta R.T. -0.003 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

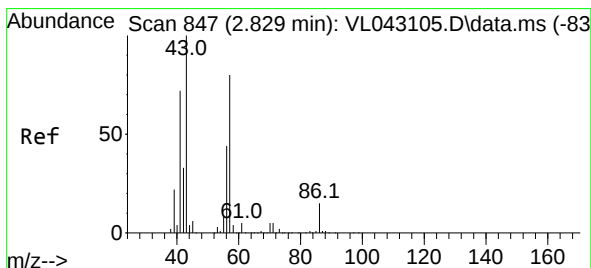
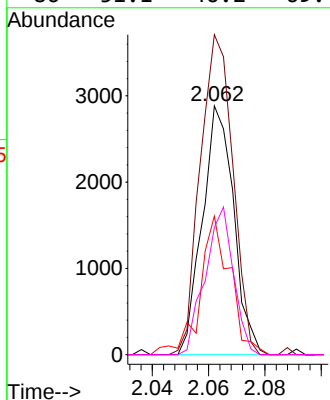
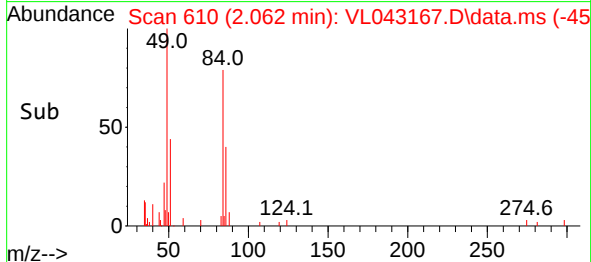
Instrument :  
MSVOA\_L  
ClientSampleId :  
151-SG-1DL



Tgt Ion: 84 Resp: 2231  
Ion Ratio Lower Upper  
84 100  
49 135.6 116.6 175.0  
51 55.7 34.8 52.2  
86 51.1 46.2 69.4

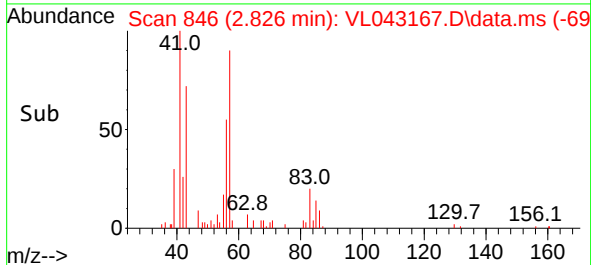
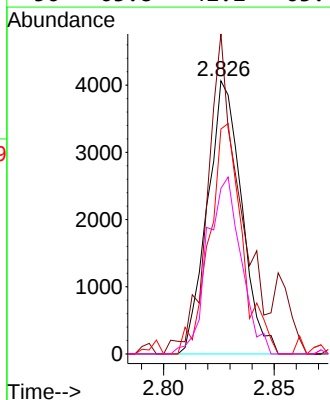
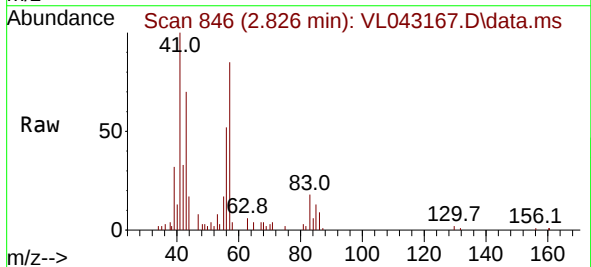
Manual Integrations  
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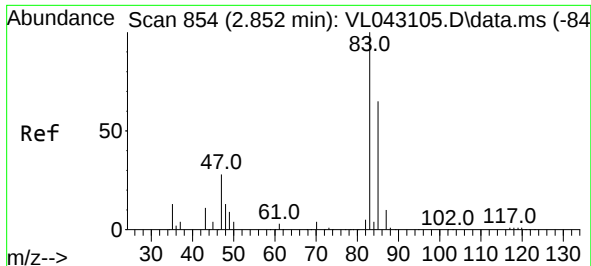
Reviewed By :Semsettin Yesilyurt 11/10/2025  
Supervised By :Mahesh Dadoda 11/10/2025



#26  
Hexane  
Concen: 0.258 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

Tgt Ion: 57 Resp: 4364  
Ion Ratio Lower Upper  
57 100  
41 126.5 71.4 107.0#  
43 84.6 178.5 267.7#  
56 63.8 42.2 63.4#





#29

Chloroform

Concen: 8.134 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL043167.D

Acq: 06 Nov 2025 14:54

Instrument :

MSVOA\_L

ClientSampleId :

151-SG-1DL

Tgt Ion: 83 Resp: 19963

Ion Ratio Lower Upper

83 100

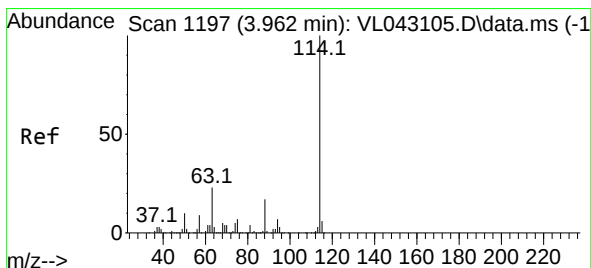
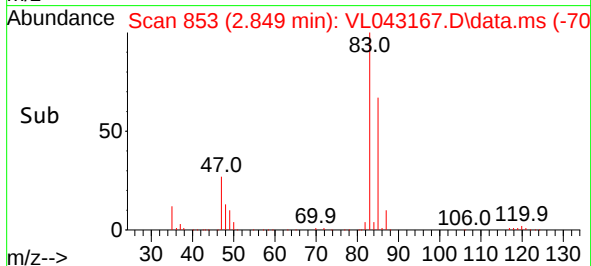
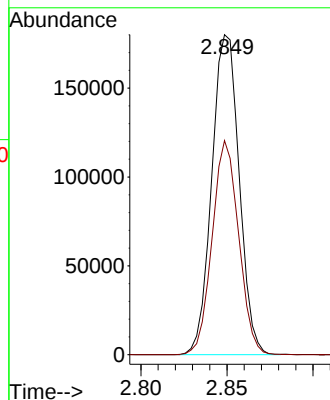
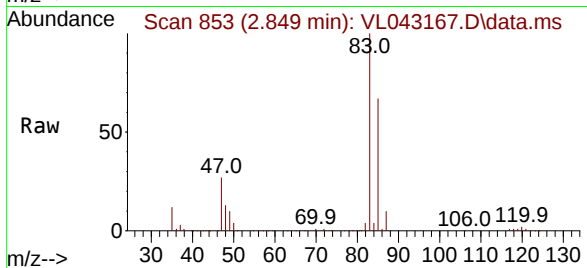
85 66.8 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025

Supervised By :Mahesh Dadoda 11/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL043167.D

Acq: 06 Nov 2025 14:54

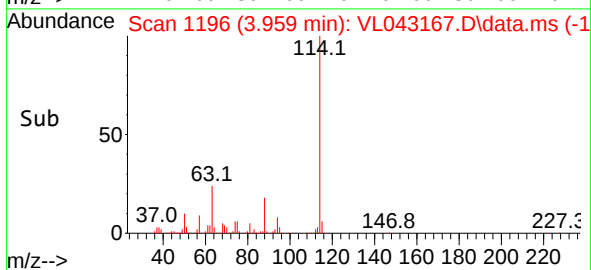
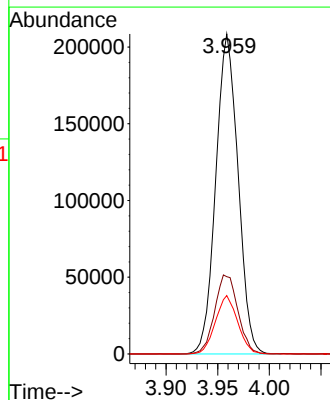
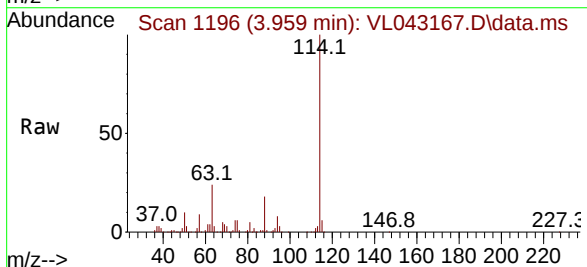
Tgt Ion:114 Resp: 312659

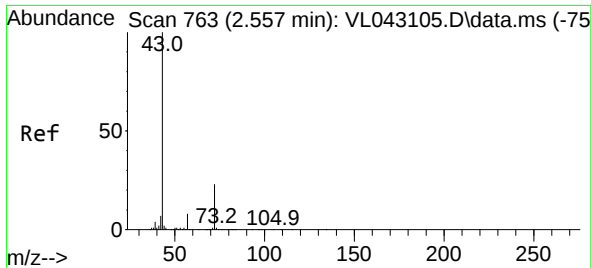
Ion Ratio Lower Upper

114 100

63 25.9 19.3 28.9

88 18.2 13.9 20.9





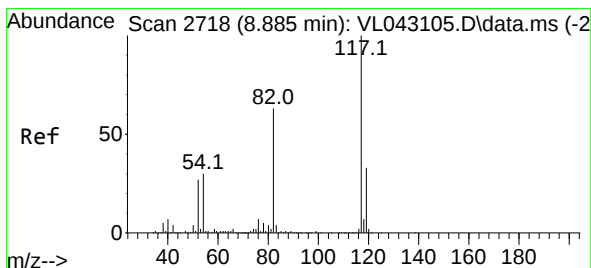
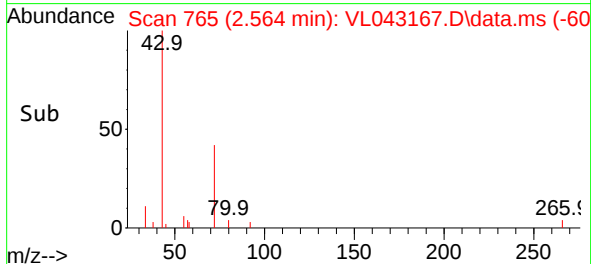
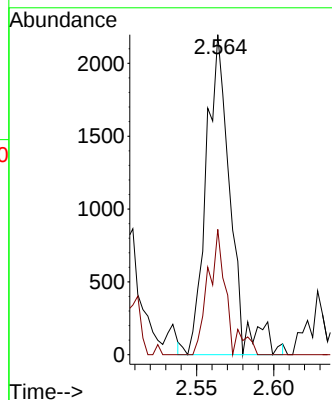
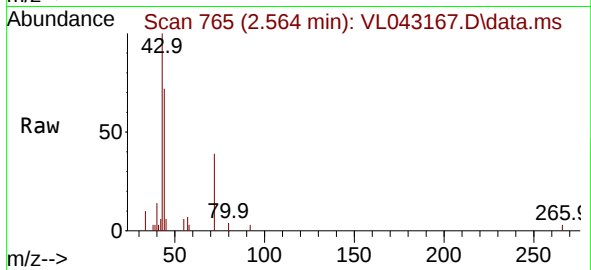
#34  
2-Butanone  
Concen: 0.115 ppbv m  
RT: 2.564 min Scan# 765  
Delta R.T. 0.006 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
151-SG-1DL

Tgt Ion: 43 Resp: 242  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.4 27.6

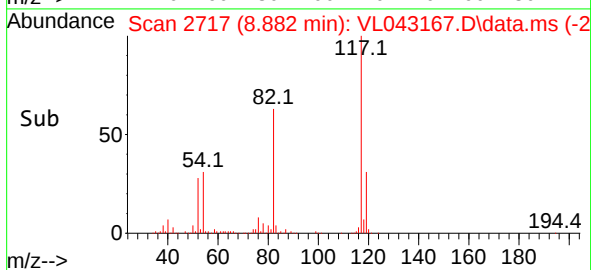
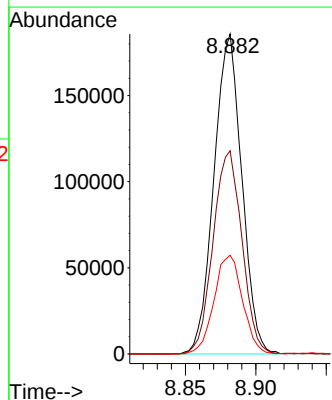
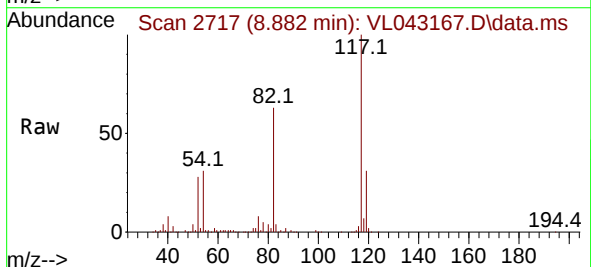
Manual Integrations  
APPROVED

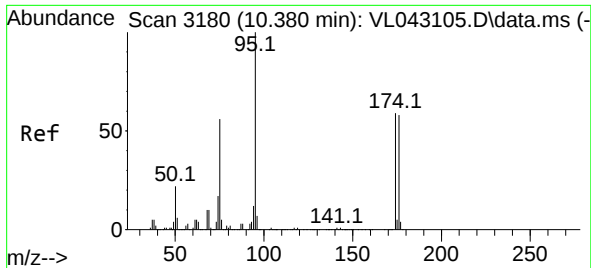
Reviewed By :Semsettin Yesilyurt 11/10/2025  
Supervised By :Mahesh Dadoda 11/10/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.882 min Scan# 2717  
Delta R.T. -0.003 min  
Lab File: VL043167.D  
Acq: 06 Nov 2025 14:54

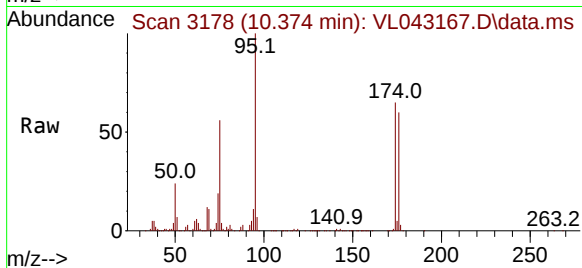
Tgt Ion:117 Resp: 255972  
Ion Ratio Lower Upper  
117 100  
82 65.6 53.8 80.8  
119 31.6 25.4 38.0





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.015 ppbv  
 RT: 10.374 min Scan# 31  
 Delta R.T. -0.007 min  
 Lab File: VL043167.D  
 Acq: 06 Nov 2025 14:54

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 151-SG-1DL



Tgt Ion: 95 Resp: 19926  
 Ion Ratio Lower Upper  
 95 100  
 174 64.3 48.3 72.5  
 175 4.6 3.8 5.8

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025  
 Supervised By :Mahesh Dadoda 11/10/2025

