

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL030325\  
 Data File : VL042086.D  
 Acq On : 03 Mar 2025 19:59  
 Operator : SY/MD  
 Sample : Q1430-01DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025  
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:22:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Wed Feb 26 01:08:36 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.787  | 49    | 163591   | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene     | 3.959  | 114   | 357663   | 10.000   | ppbv   | -0.02    |
| 55) Chlorobenzene-d5        | 8.878  | 117   | 298332   | 10.000   | ppbv   | -0.02    |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 219520   | 9.564    | ppbv   | -0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 95.600%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 1.722  | 45    | 8944     | 14.546   | ppbv # | 33       |
| 15) Acetone                 | 1.835  | 43    | 9246     | 0.640    | ppbv # | 80       |
| 19) Isopropyl Alcohol       | 1.890  | 45    | 1877m    | 0.226    | ppbv   |          |
| 34) 2-Butanone              | 2.564  | 43    | 13991    | 0.502    | ppbv   | 96       |
| 52) Tetrachloroethene       | 8.218  | 164   | 3005m    | 0.234    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

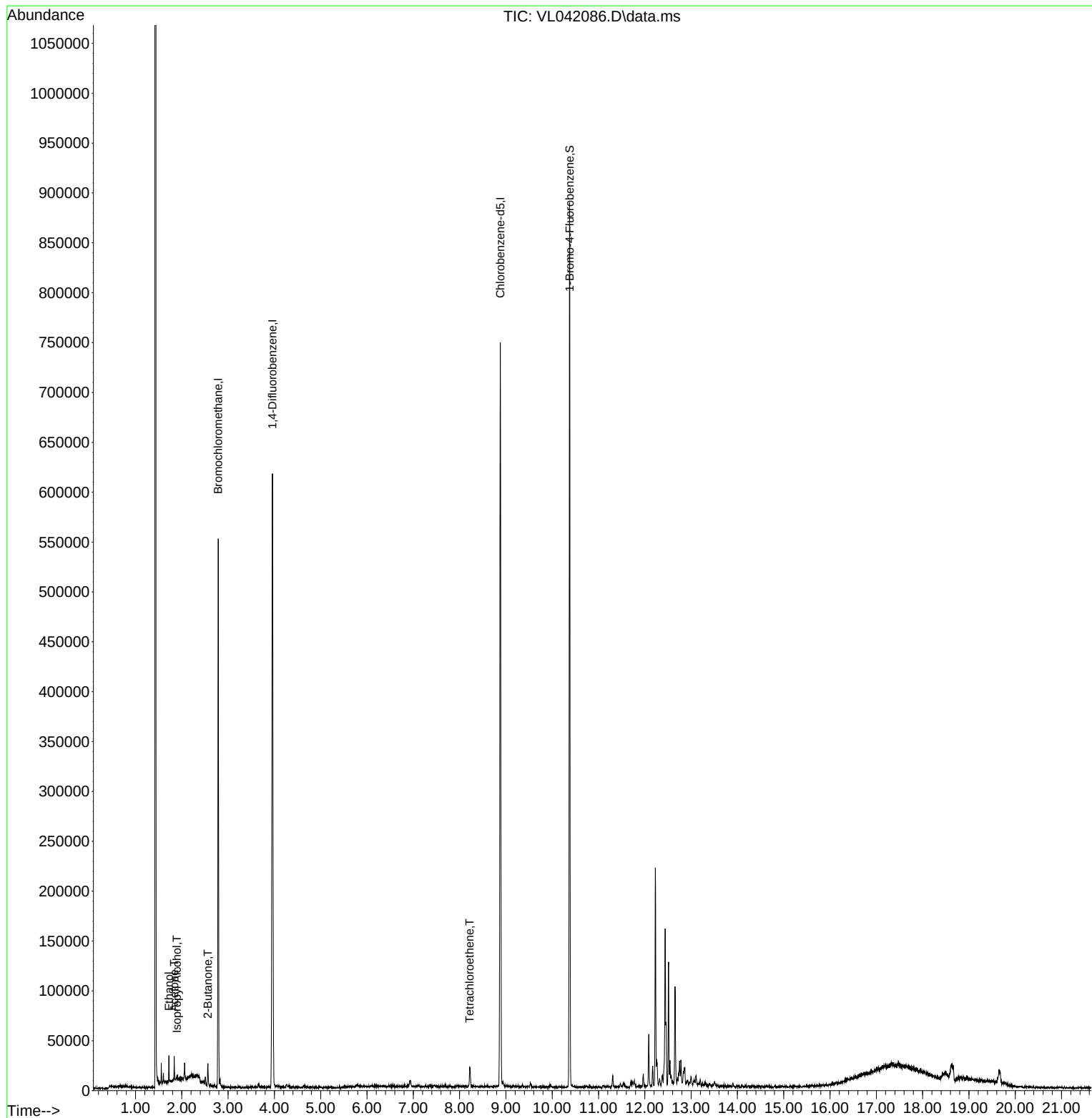
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL030325\  
Data File : VL042086.D  
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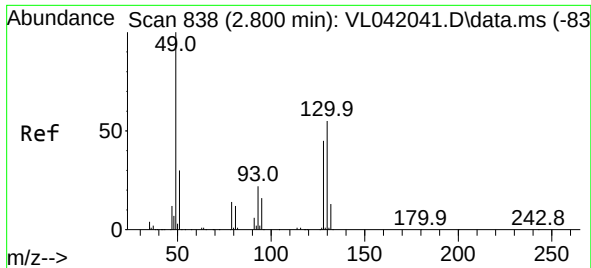
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

Quant Time: Mar 04 00:22:25 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed Feb 26 01:08:36 2025  
Response via : Initial Calibration

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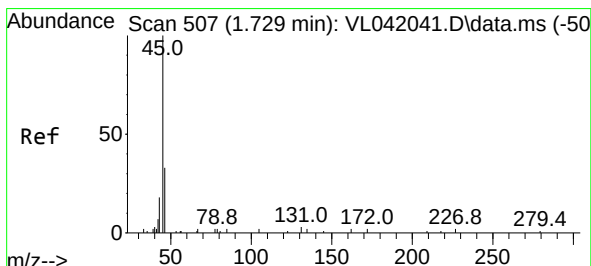
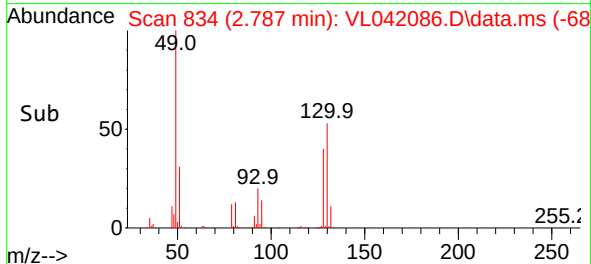
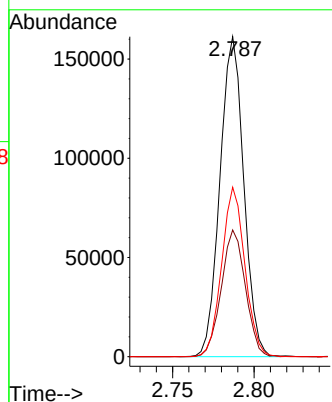
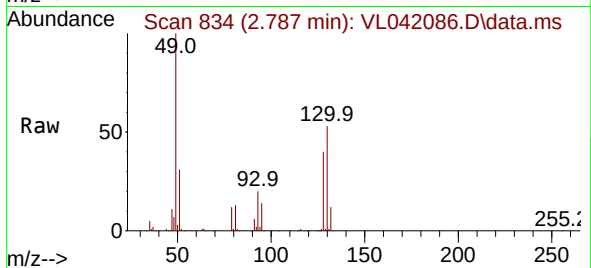
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. -0.013 min  
Lab File: VL042086.D  
Acq: 03 Mar 2025 19:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

Tgt Ion: 49 Resp: 16359  
Ion Ratio Lower Upper  
49 100  
128 40.2 21.6 64.8  
130 51.7 27.8 83.4

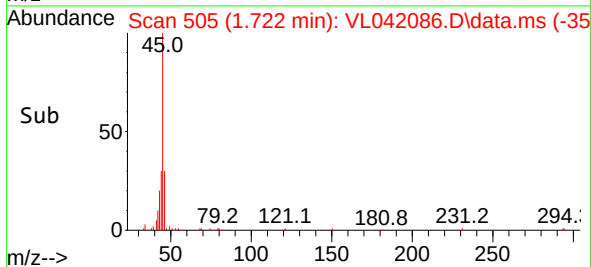
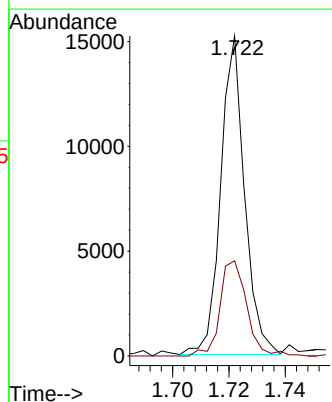
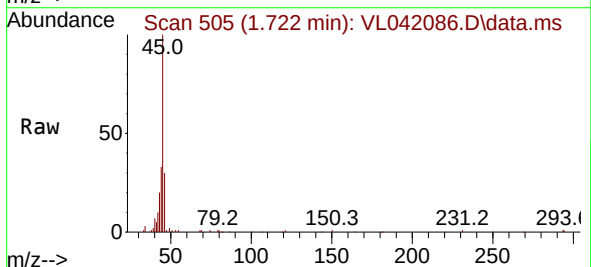
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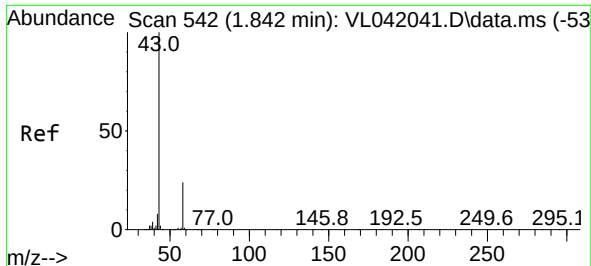
Reviewed By :Semsettin Yesilyurt 03/04/2025  
Supervised By :Mahesh Dadoda 03/05/2025



#13  
Ethanol  
Concen: 14.546 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. -0.007 min  
Lab File: VL042086.D  
Acq: 03 Mar 2025 19:59

Tgt Ion: 45 Resp: 8944  
Ion Ratio Lower Upper  
45 100  
46 0.0 17.1 68.3#





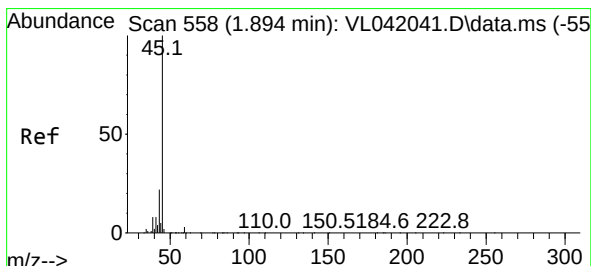
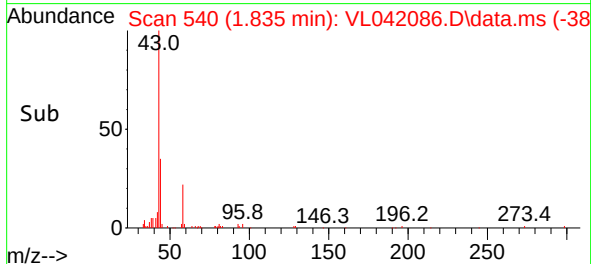
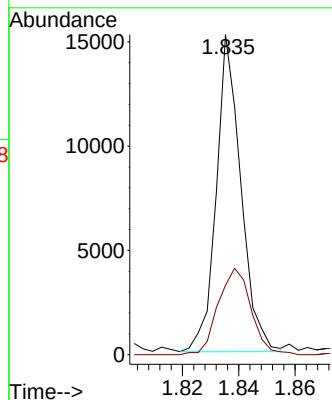
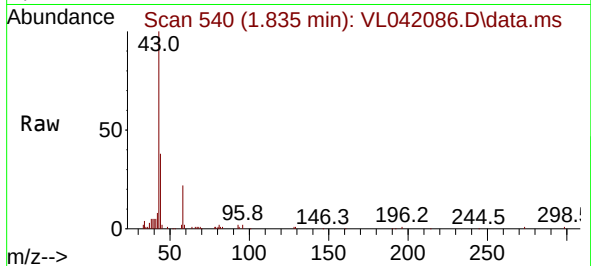
#15  
Acetone  
Concen: 0.640 ppbv  
RT: 1.835 min Scan# 542  
Delta R.T. -0.007 min  
Lab File: VL042086.D  
Acq: 03 Mar 2025 19:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

Tgt Ion: 43 Resp: 9240  
Ion Ratio Lower Upper  
43 100  
58 36.3 20.7 31.1

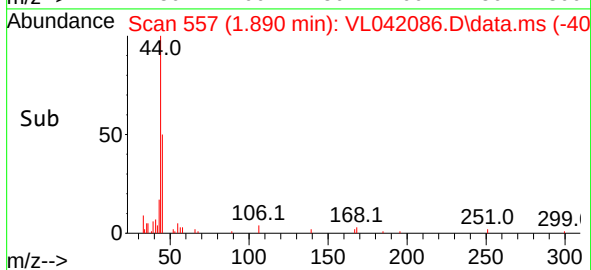
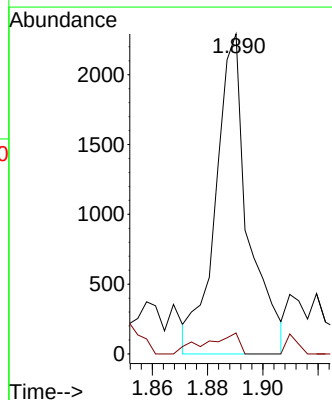
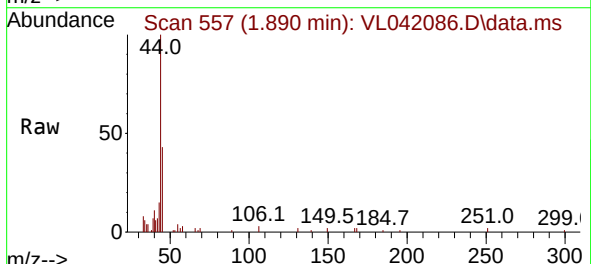
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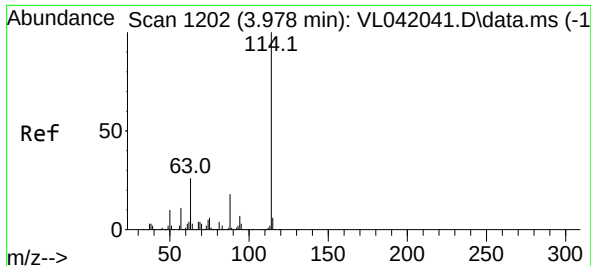
Reviewed By :Semsettin Yesilyurt 03/04/2025  
Supervised By :Mahesh Dadoda 03/05/2025



#19  
Isopropyl Alcohol  
Concen: 0.226 ppbv m  
RT: 1.890 min Scan# 557  
Delta R.T. -0.003 min  
Lab File: VL042086.D  
Acq: 03 Mar 2025 19:59

Tgt Ion: 45 Resp: 1877  
Ion Ratio Lower Upper  
45 100  
58 178.2 35.3 52.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.020 min

Lab File: VL042086.D

Acq: 03 Mar 2025 19:59

Instrument :

MSVOA\_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 35766

Ion Ratio Lower Upper

114 100

63 27.2 20.1 30.1

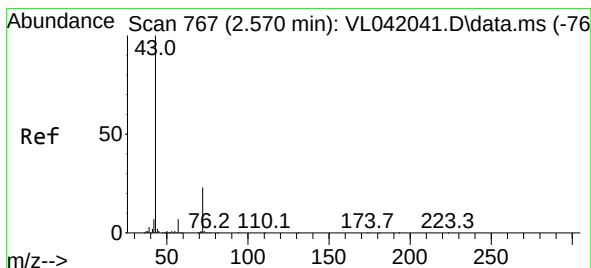
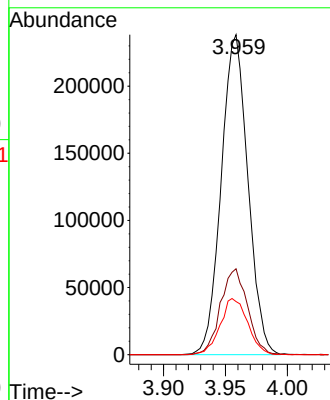
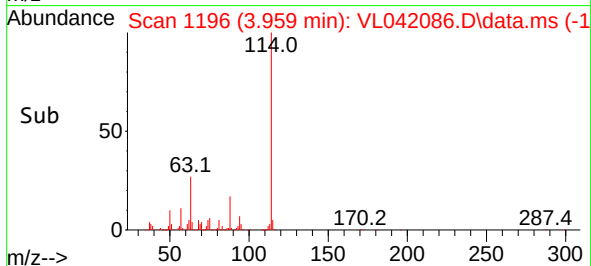
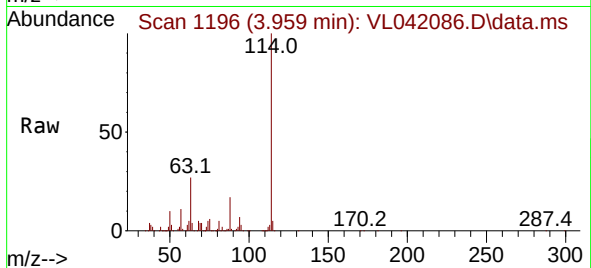
88 18.1 14.3 21.5

Manual Integrations

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#34

2-Butanone

Concen: 0.502 ppbv

RT: 2.564 min Scan# 765

Delta R.T. -0.007 min

Lab File: VL042086.D

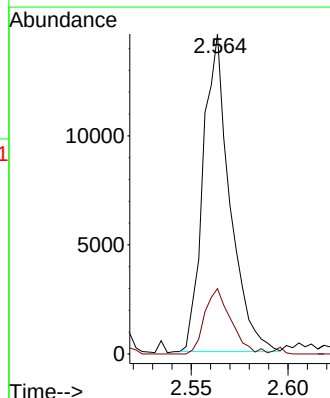
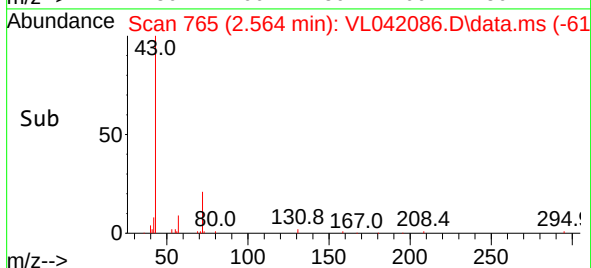
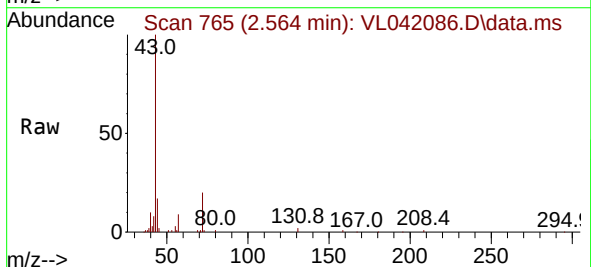
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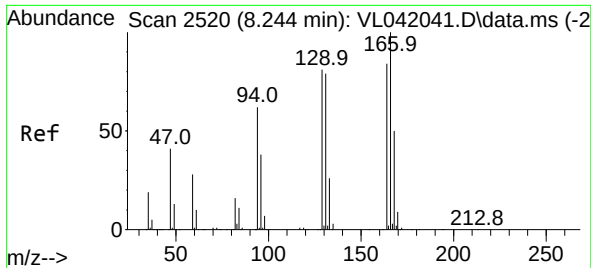
Tgt Ion: 43 Resp: 13991

Ion Ratio Lower Upper

43 100

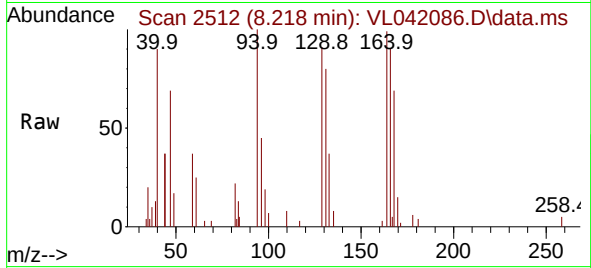
72 21.0 18.5 27.7





#52  
Tetrachloroethene  
Concen: 0.234 ppbv m  
RT: 8.218 min Scan# 2116  
Delta R.T. -0.026 min  
Lab File: VL042086.D  
Acq: 03 Mar 2025 19:59

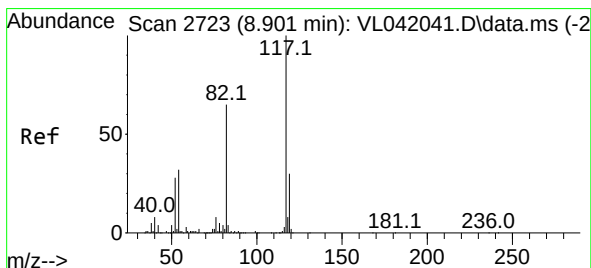
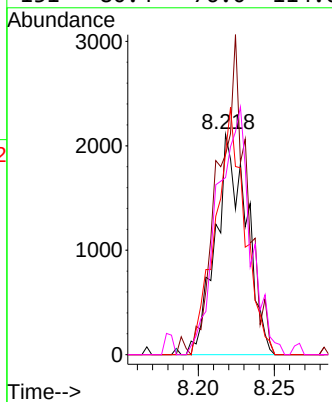
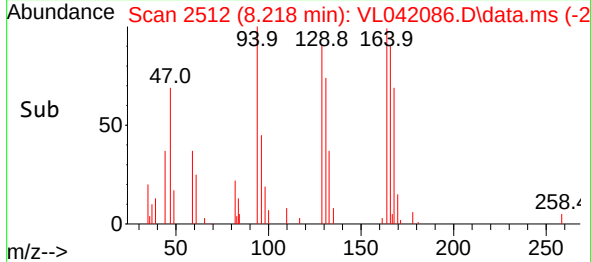
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion:164 Resp: 3009  
Ion Ratio Lower Upper  
164 100  
166 90.8 95.7 143.5  
129 91.5 77.1 115.7  
131 80.4 76.0 114.0

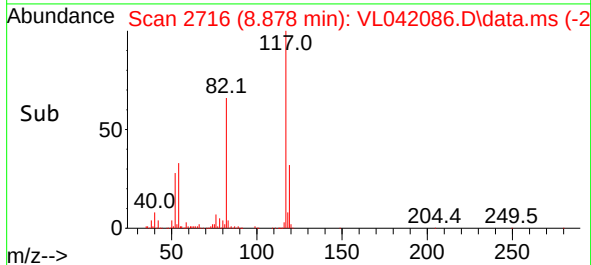
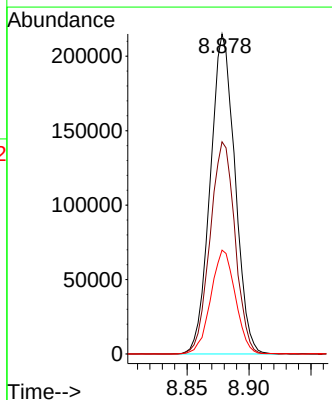
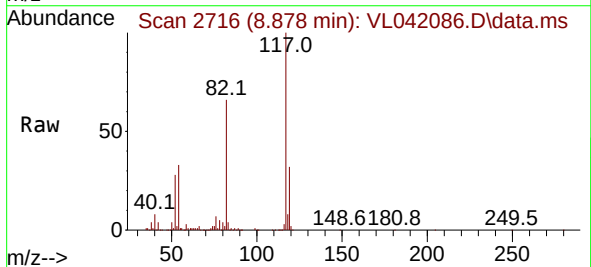
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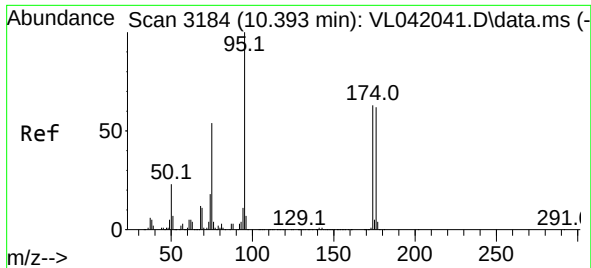
Reviewed By :Semsettin Yesilyurt 03/04/2025  
Supervised By :Mahesh Dadoda 03/05/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.878 min Scan# 2716  
Delta R.T. -0.023 min  
Lab File: VL042086.D  
Acq: 03 Mar 2025 19:59

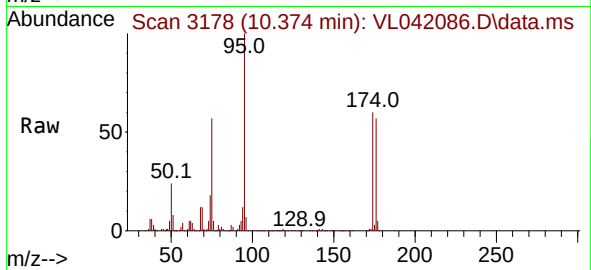
Tgt Ion:117 Resp: 298332  
Ion Ratio Lower Upper  
117 100  
82 67.0 55.0 82.6  
119 32.4 25.9 38.9





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.564 ppbv  
 RT: 10.374 min Scan# 31  
 Delta R.T. -0.020 min  
 Lab File: VL042086.D  
 Acq: 03 Mar 2025 19:59

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL



Tgt Ion: 95 Resp: 219520  
 Ion Ratio Lower Upper  
 95 100  
 174 61.3 51.8 77.6  
 175 4.3 3.9 5.9

Manual Integrations  
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