

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL052125\  
 Data File : VL042565.D  
 Acq On : 21 May 2025 14:46  
 Operator : SY/MD  
 Sample : MDL 0.45  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.45

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025  
 Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 21 23:03:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052025AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Wed May 21 00:21:29 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Bromochloromethane       | 2.787  | 49    | 101024   | 10.000   | ppbv  | 0.00        |
| 33) 1,4-Difluorobenzene     | 3.962  | 114   | 315340   | 10.000   | ppbv  | 0.00        |
| 55) Chlorobenzene-d5        | 8.888  | 117   | 267681   | 10.000   | ppbv  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 225710   | 10.536   | ppbv  | 0.00        |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 105.400%    |
| Target Compounds            |        |       |          |          |       |             |
| 13) Ethanol                 | 1.722  | 45    | 384      | 0.490    | ppbv  | Qvalue # 37 |
| -----                       |        |       |          |          |       |             |

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

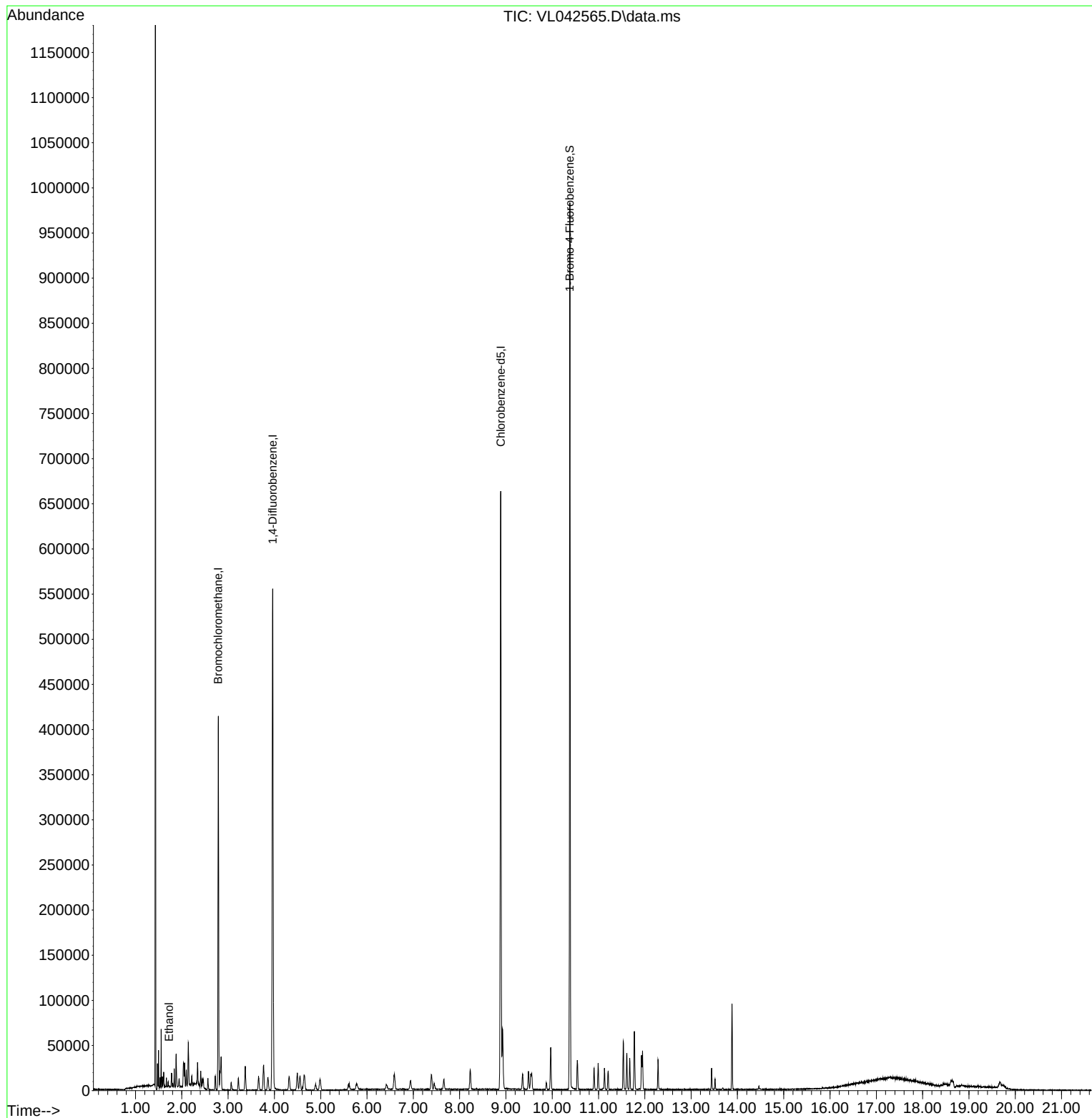
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL052125\  
Data File : VL042565.D  
Acq On : 21 May 2025 14:46  
Operator : SY/MD  
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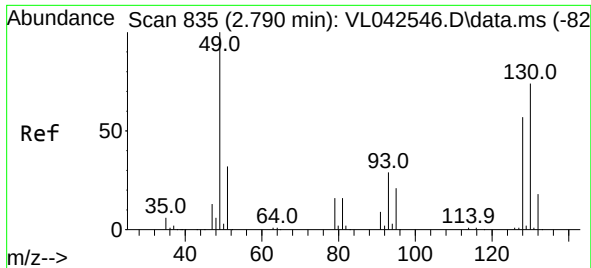
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MDL 0.45

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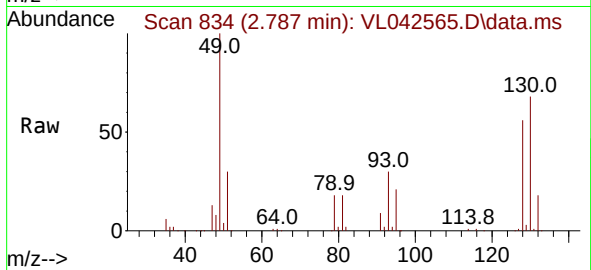
Quant Time: May 21 23:03:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052025AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed May 21 00:21:29 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042565.D  
Acq: 21 May 2025 14:46

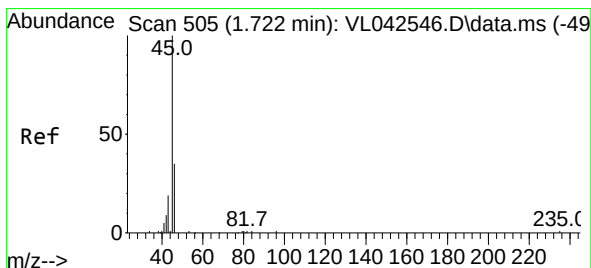
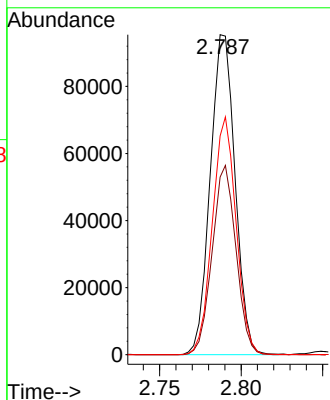
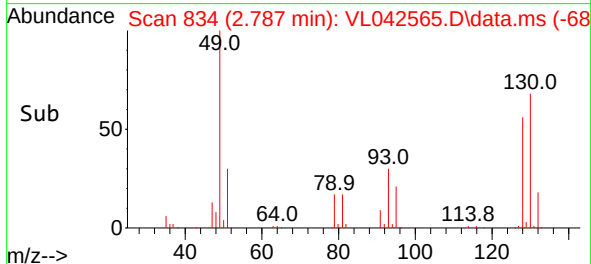
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.45



Tgt Ion: 49 Resp: 101024  
Ion Ratio Lower Upper  
49 100  
128 56.7 28.6 85.8  
130 71.1 36.6 109.8

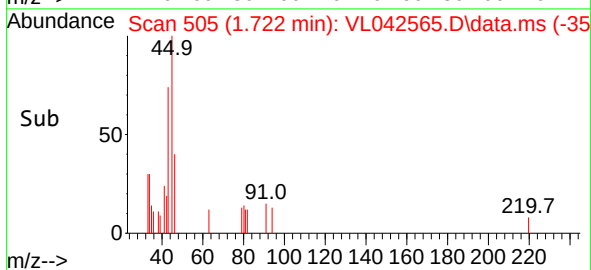
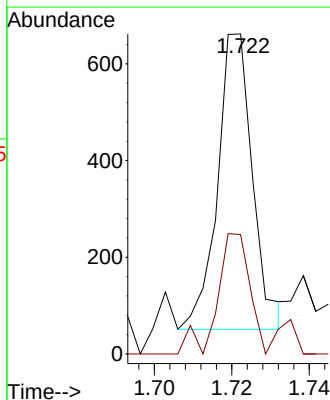
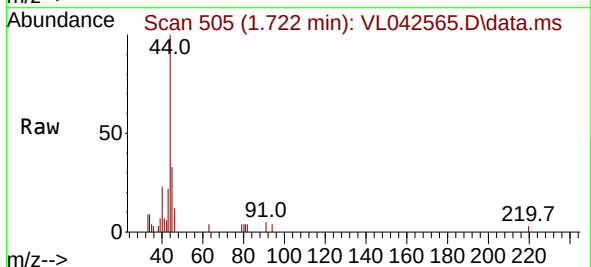
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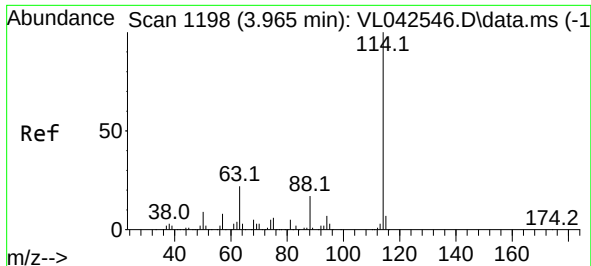
Reviewed By :Semsettin Yesilyurt 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



#13  
Ethanol  
Concen: 0.490 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL042565.D  
Acq: 21 May 2025 14:46

Tgt Ion: 45 Resp: 384  
Ion Ratio Lower Upper  
45 100  
46 0.0 15.3 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1198

Delta R.T. -0.003 min

Lab File: VL042565.D

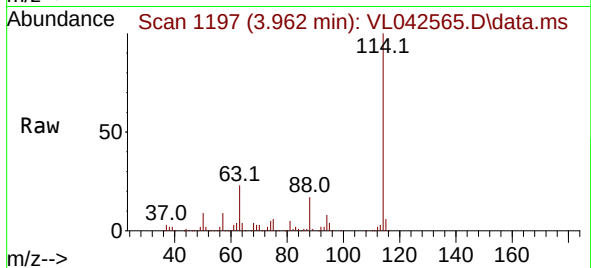
Acq: 21 May 2025 14:46

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.45



Tgt Ion:114 Resp: 315340

Ion Ratio Lower Upper

114 100

63 23.9 18.4 27.6

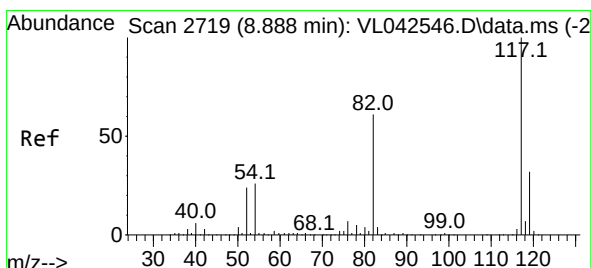
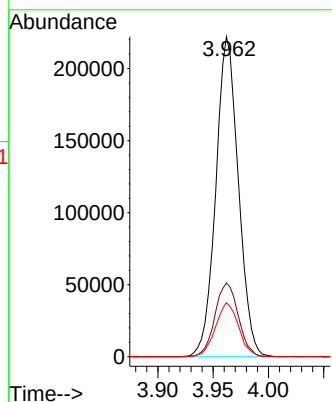
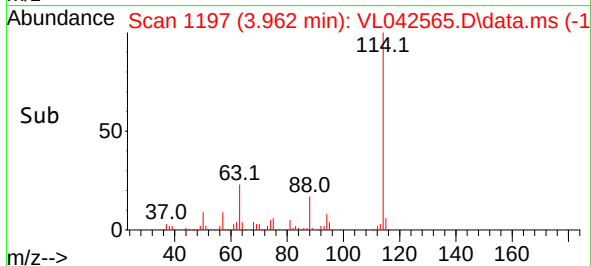
88 17.2 14.0 21.0

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042565.D

Acq: 21 May 2025 14:46

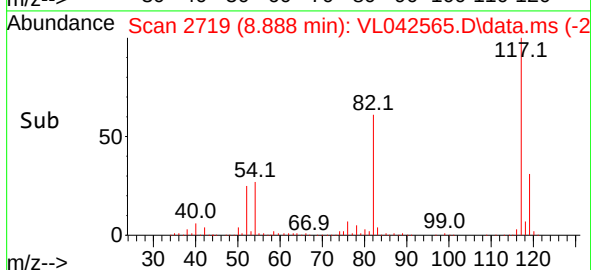
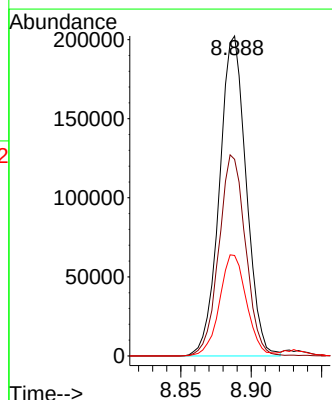
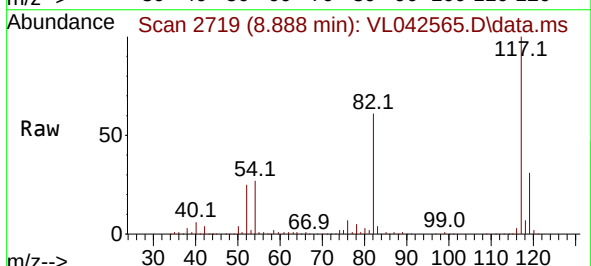
Tgt Ion:117 Resp: 267681

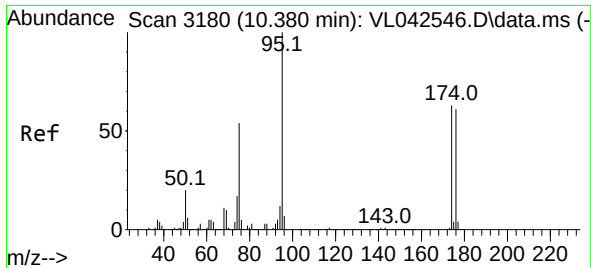
Ion Ratio Lower Upper

117 100

82 62.9 51.0 76.4

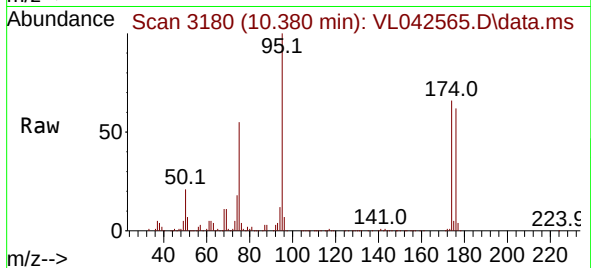
119 33.7 27.0 40.4





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.536 ppbv  
 RT: 10.380 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VL042565.D  
 Acq: 21 May 2025 14:46

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.45



Tgt Ion: 95 Resp: 225710  
 Ion Ratio Lower Upper  
 95 100  
 174 66.2 52.0 78.0  
 175 4.6 3.8 5.6

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