

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040225\  
 Data File : VL042212.D  
 Acq On : 02 Apr 2025 11:32  
 Operator : SY/MD  
 Sample : VL0402ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0402ABL01

Quant Time: Apr 03 01:42:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Mar 28 02:00:52 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.774 | 49   | 176964   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.942 | 114  | 497441   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.865 | 117  | 439004   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.364 | 95    | 350402   | 9.719    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.200% |

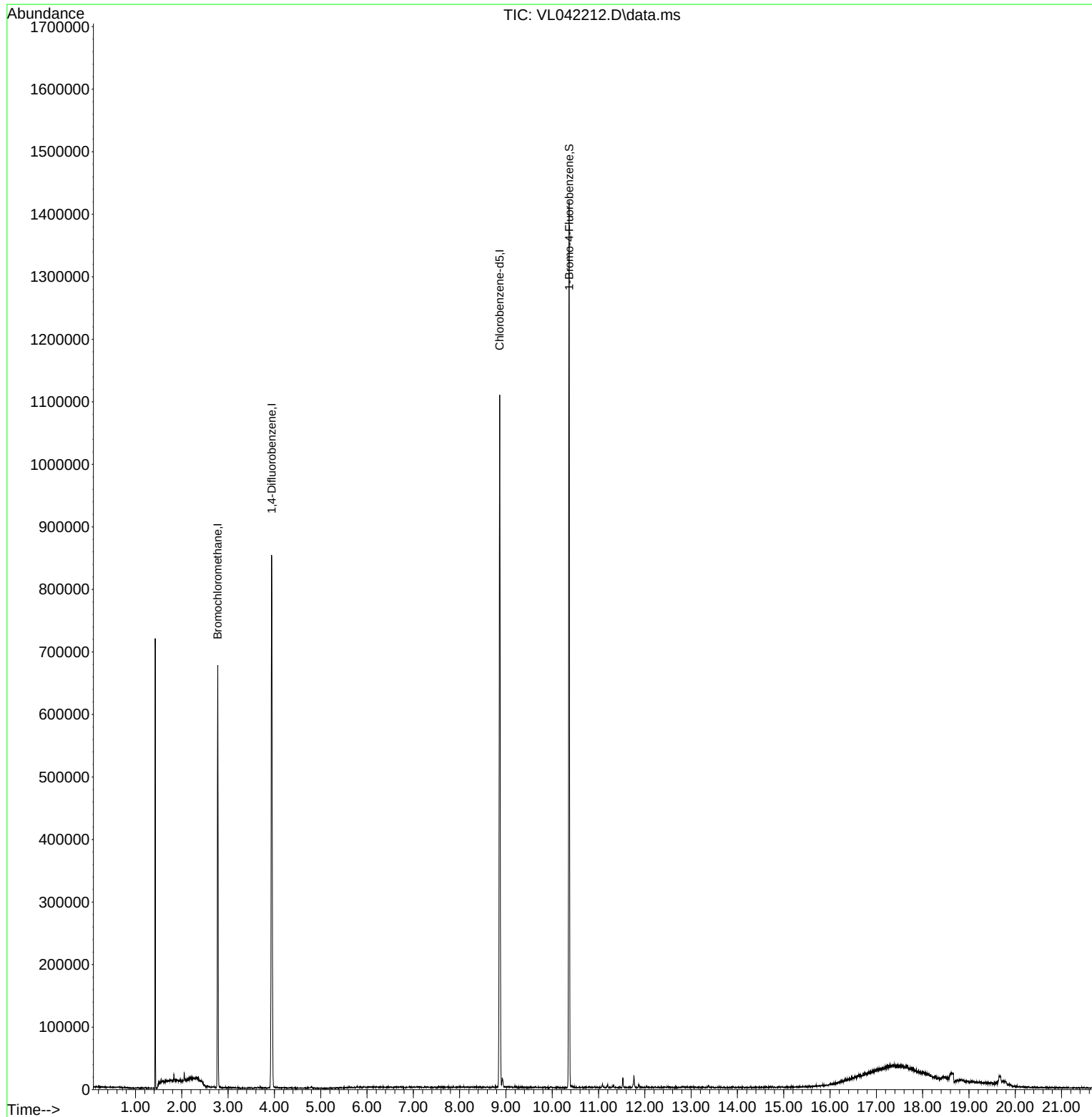
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

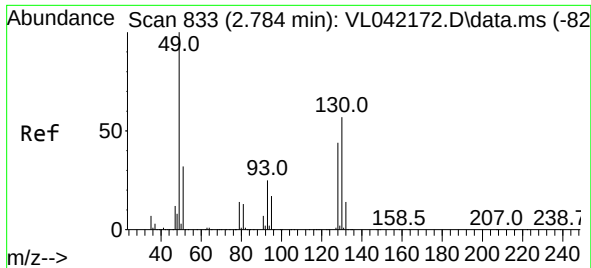
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040225\  
Data File : VL042212.D  
Acq On : 02 Apr 2025 11:32  
Operator : SY/MD  
Sample : VL0402ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0402ABL01

Quant Time: Apr 03 01:42:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Mar 28 02:00:52 2025  
Response via : Initial Calibration

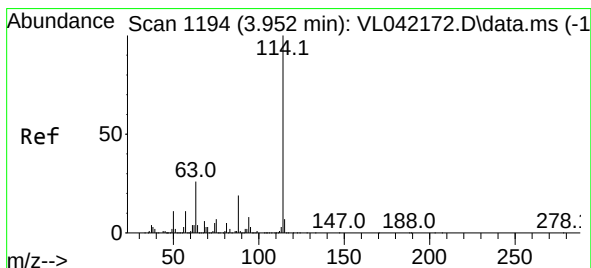
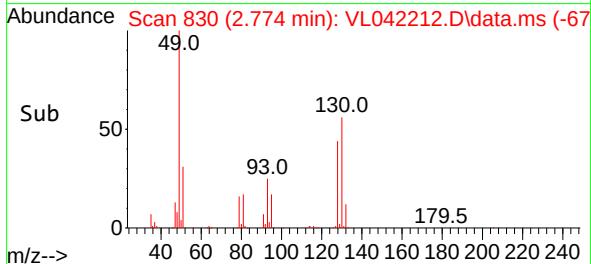
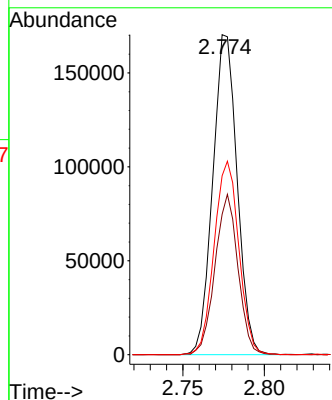
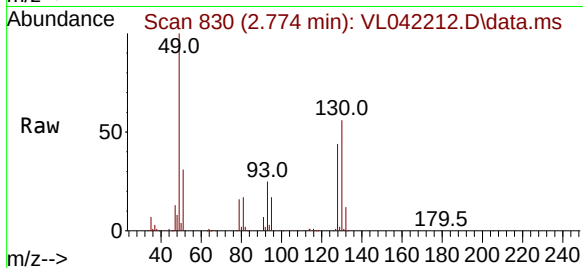




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.774 min Scan# 81  
Delta R.T. -0.010 min  
Lab File: VL042212.D  
Acq: 02 Apr 2025 11:32

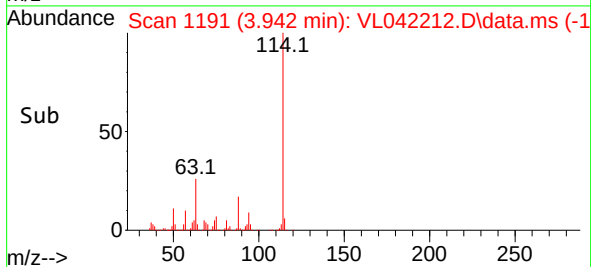
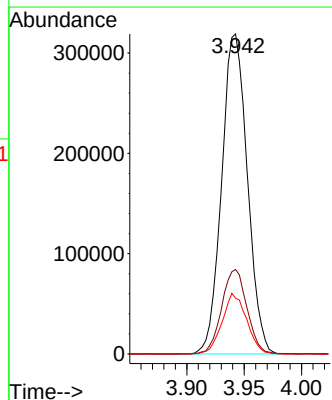
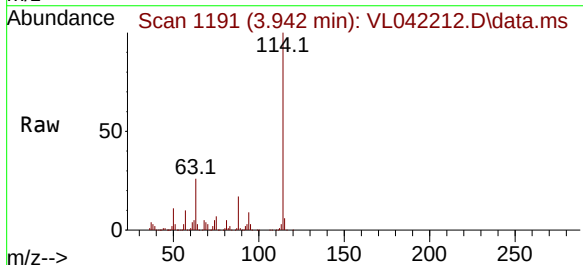
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0402ABL01

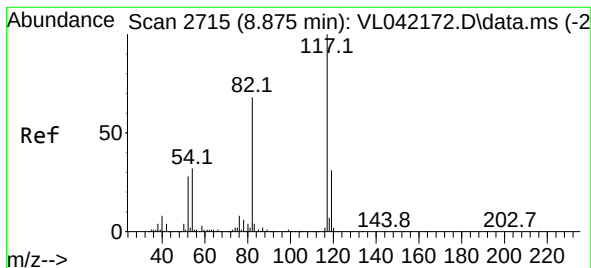
Tgt Ion: 49 Resp: 176964  
Ion Ratio Lower Upper  
49 100  
128 47.3 22.9 68.5  
130 61.3 28.8 86.4



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.942 min Scan# 1191  
Delta R.T. -0.010 min  
Lab File: VL042212.D  
Acq: 02 Apr 2025 11:32

Tgt Ion: 114 Resp: 497441  
Ion Ratio Lower Upper  
114 100  
63 25.9 20.7 31.1  
88 18.0 15.0 22.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

Instrument :

MSVOA\_L

ClientSampleId :

VL0402ABL01

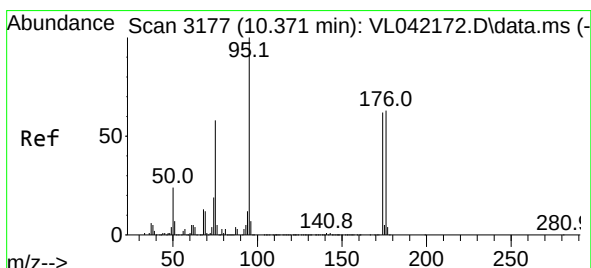
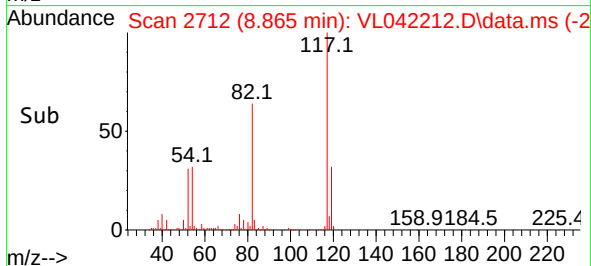
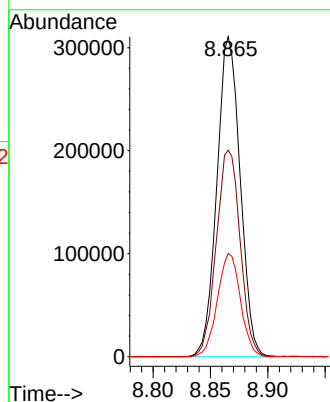
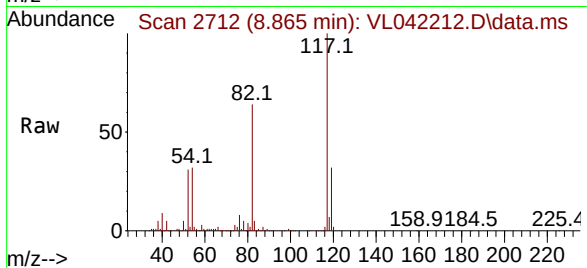
Tgt Ion:117 Resp: 439004

Ion Ratio Lower Upper

117 100

82 66.0 55.8 83.6

119 31.9 25.5 38.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.719 ppbv

RT: 10.364 min Scan# 3175

Delta R.T. -0.007 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

Tgt Ion: 95 Resp: 350402

Ion Ratio Lower Upper

95 100

174 59.9 50.6 76.0

175 4.5 3.8 5.6

