

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090825\  
 Data File : VL042901.D  
 Acq On : 08 Sep 2025 11:55  
 Operator : SY/MD  
 Sample : VL0908ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABL01

Quant Time: Sep 09 00:55:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 09 00:52:26 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 141293   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.952 | 114  | 355217   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.875 | 117  | 298537   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 227668   | 10.169   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.700% |

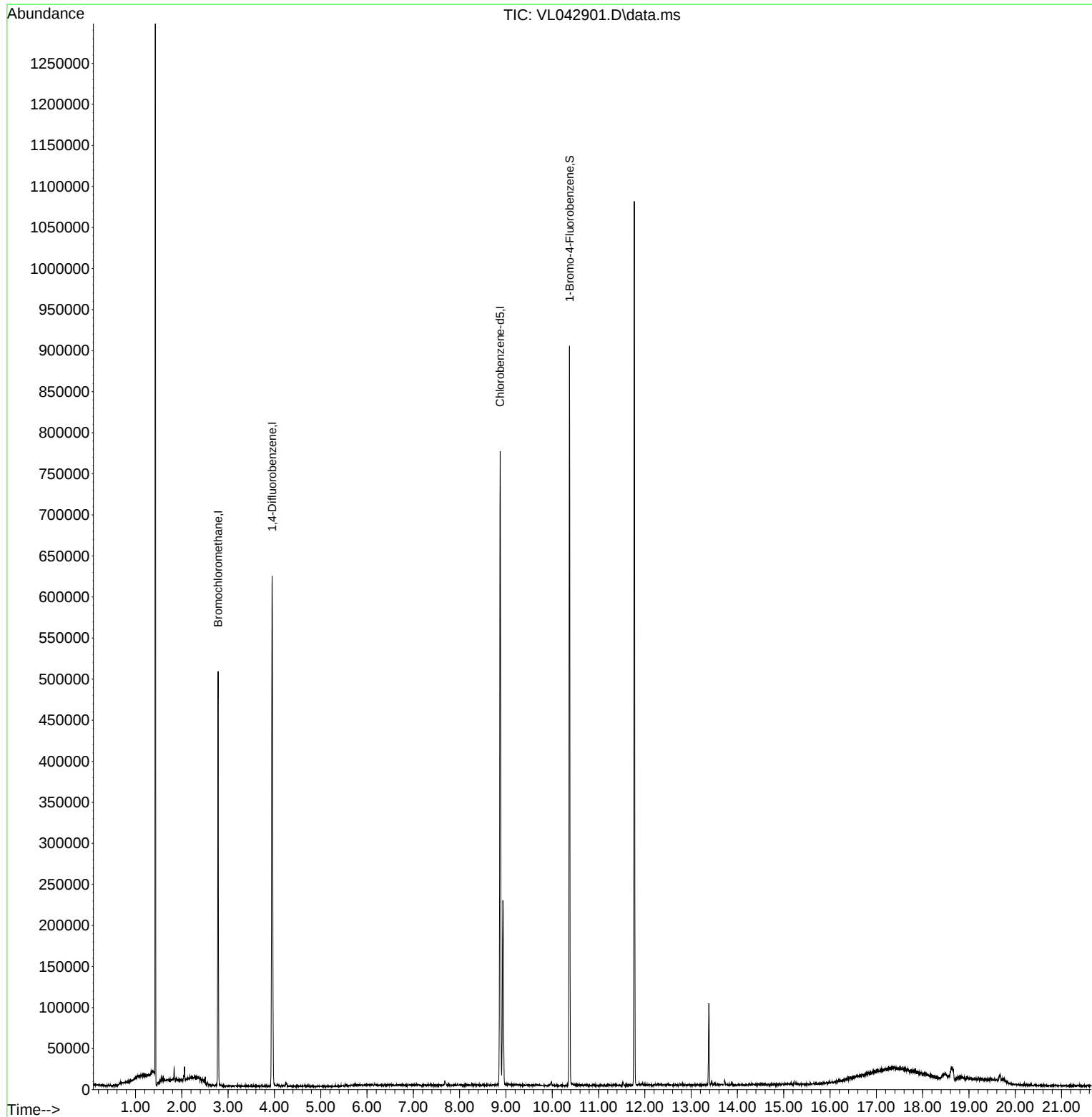
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

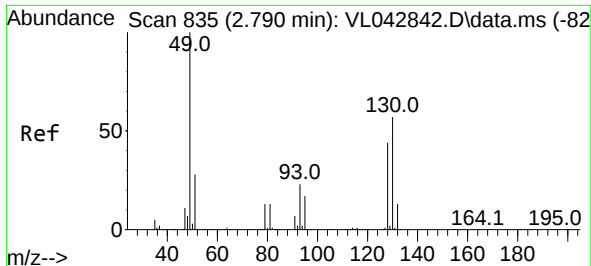
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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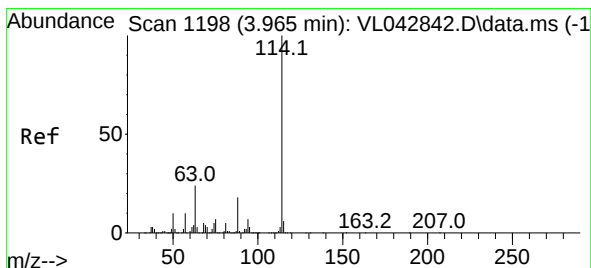
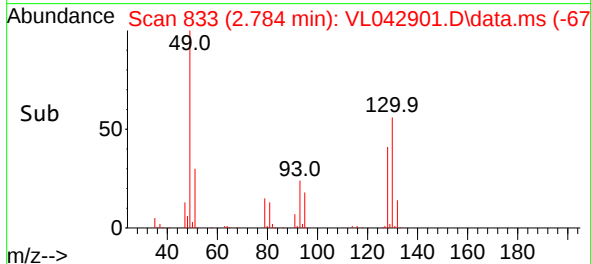
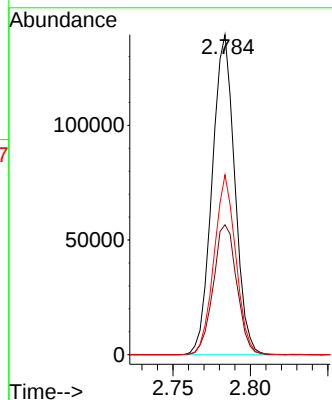
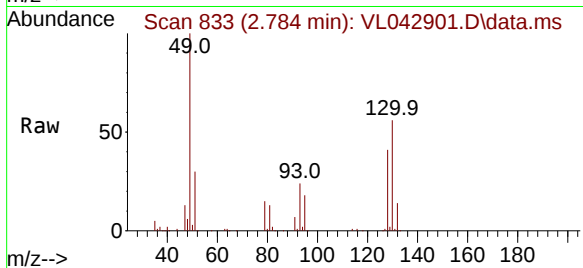




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.784 min Scan# 81  
 Delta R.T. 0.007 min  
 Lab File: VL042901.D  
 Acq: 08 Sep 2025 11:55

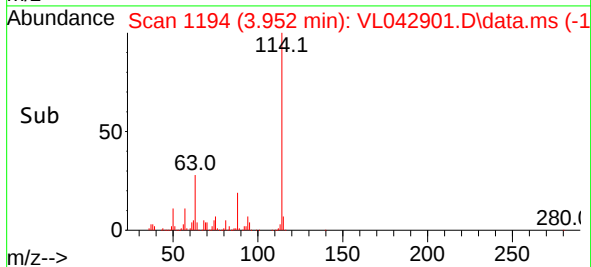
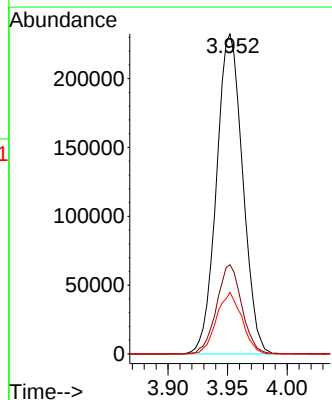
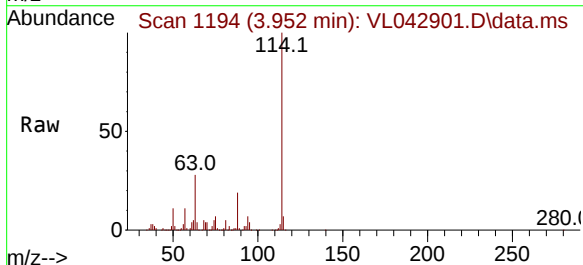
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABL01

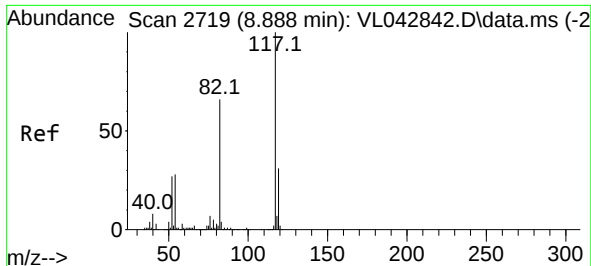
Tgt Ion: 49 Resp: 141293  
 Ion Ratio Lower Upper  
 49 100  
 128 42.4 23.7 71.1  
 130 54.2 30.6 91.6



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.952 min Scan# 1194  
 Delta R.T. 0.009 min  
 Lab File: VL042901.D  
 Acq: 08 Sep 2025 11:55

Tgt Ion: 114 Resp: 355217  
 Ion Ratio Lower Upper  
 114 100  
 63 26.9 19.7 29.5  
 88 18.7 14.4 21.6

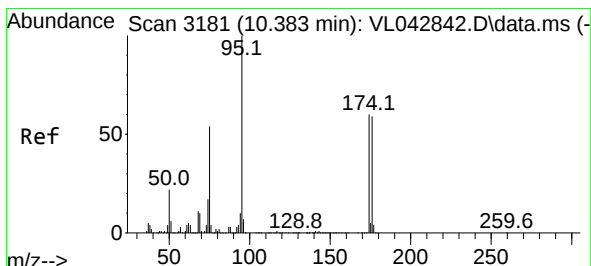
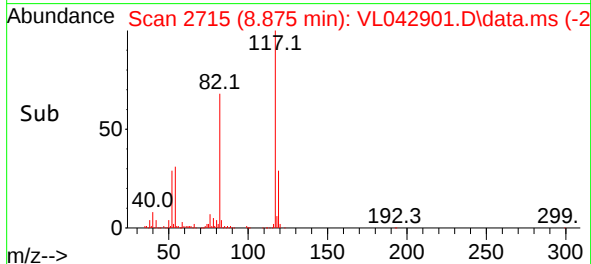
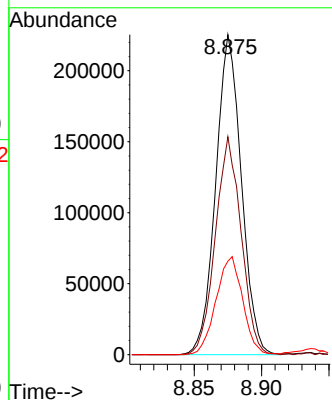
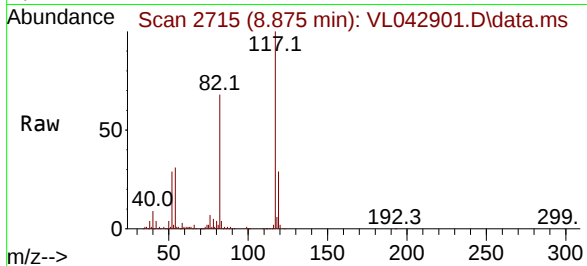




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.875 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL042901.D  
Acq: 08 Sep 2025 11:55

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABL01

Tgt Ion:117 Resp: 298537  
Ion Ratio Lower Upper  
117 100  
82 68.4 54.6 81.8  
119 31.8 25.9 38.9



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.169 ppbv  
RT: 10.374 min Scan# 3178  
Delta R.T. 0.009 min  
Lab File: VL042901.D  
Acq: 08 Sep 2025 11:55

Tgt Ion: 95 Resp: 227668  
Ion Ratio Lower Upper  
95 100  
174 55.5 48.4 72.6  
175 3.9 3.8 5.8

