

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101725\  
 Data File : VL043135.D  
 Acq On : 17 Oct 2025 11:03  
 Operator : SY/MD  
 Sample : QC101525 CAN 10332  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC101525 CAN 10332

Quant Time: Oct 18 04:34:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 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   | 2.793 | 49   | 86103    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 266279   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 226940   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 184716   | 10.472   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.700% |

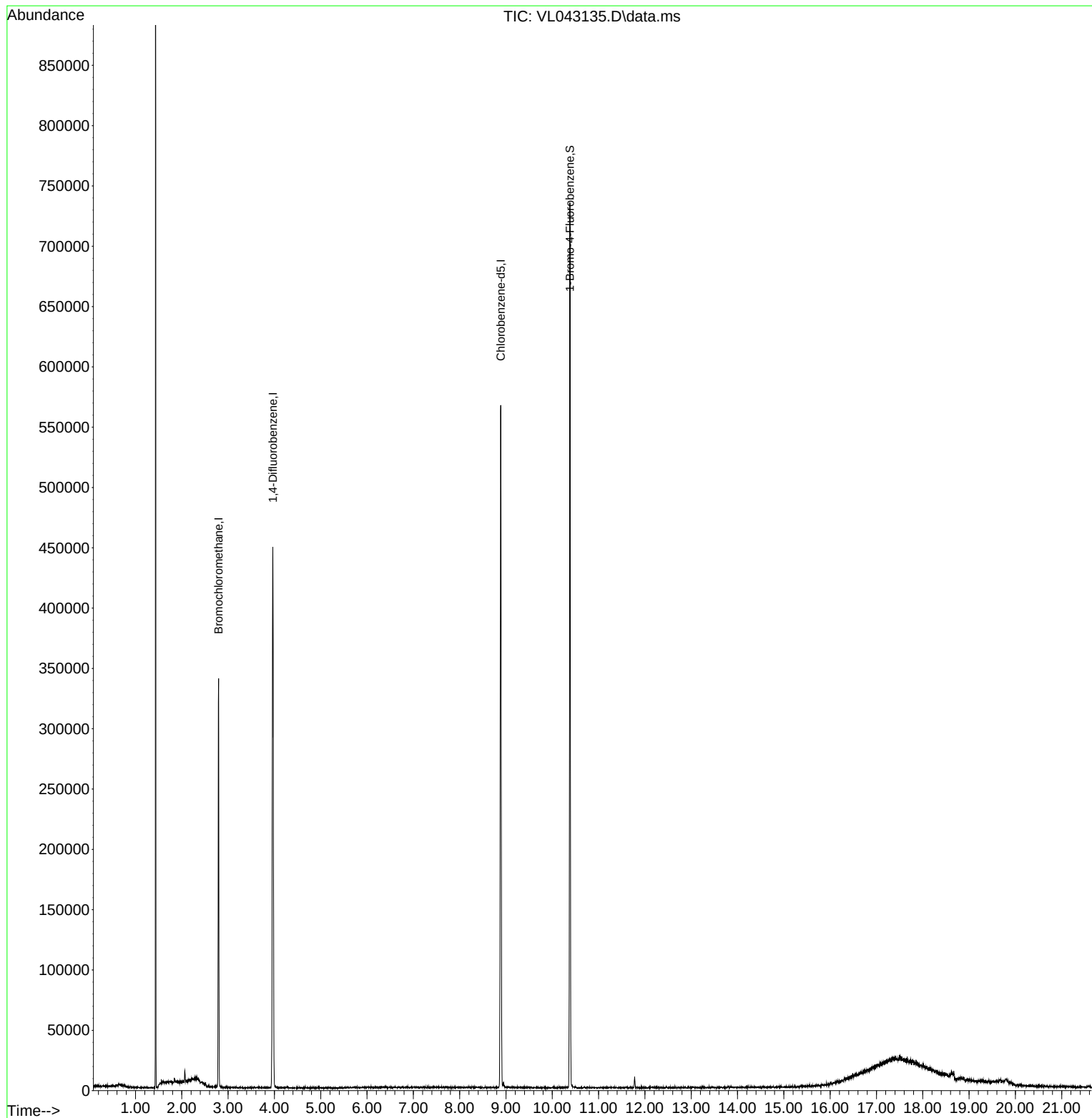
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

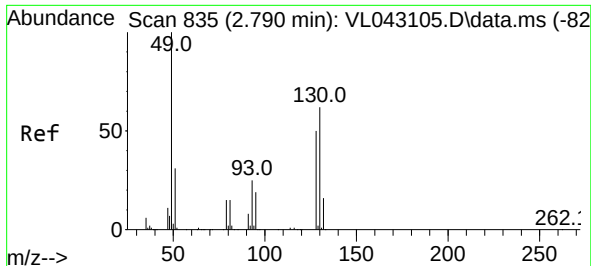
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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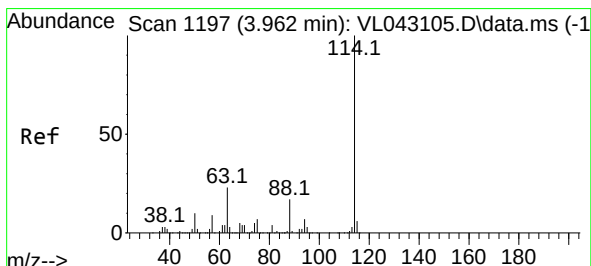
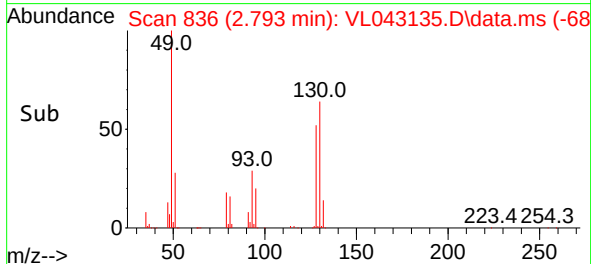
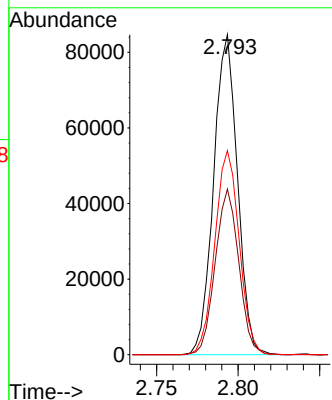
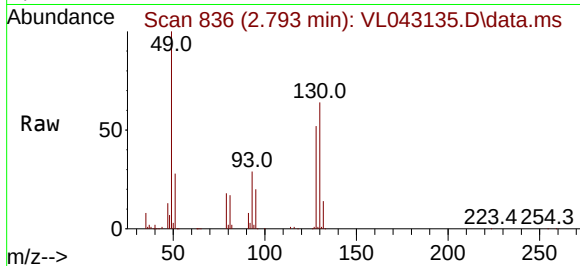




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL043135.D  
Acq: 17 Oct 2025 11:03

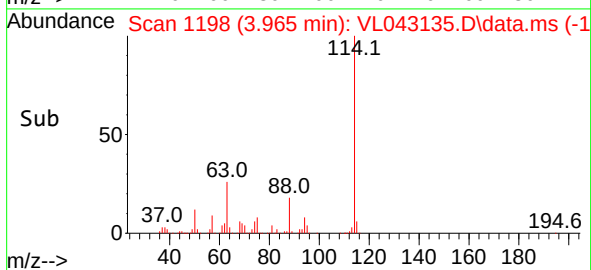
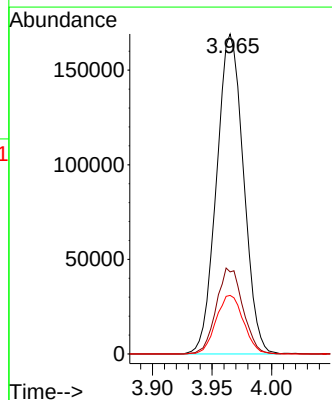
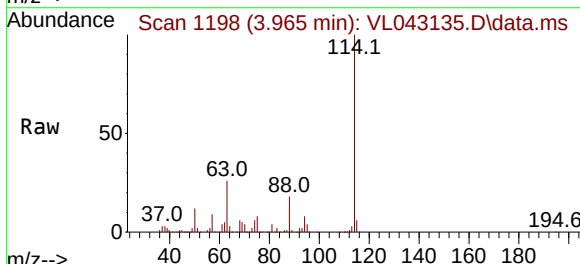
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC101525 CAN 10332

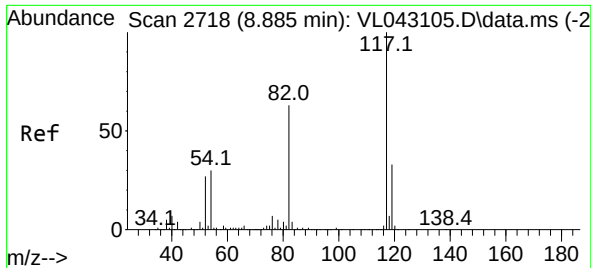
Tgt Ion: 49 Resp: 86103  
Ion Ratio Lower Upper  
49 100  
128 51.2 24.4 73.4  
130 65.3 31.0 93.0



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. 0.003 min  
Lab File: VL043135.D  
Acq: 17 Oct 2025 11:03

Tgt Ion: 114 Resp: 266279  
Ion Ratio Lower Upper  
114 100  
63 26.4 19.3 28.9  
88 18.6 13.9 20.9

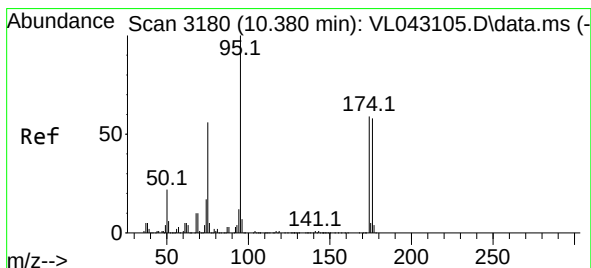
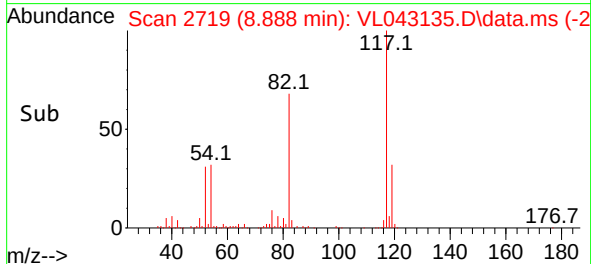
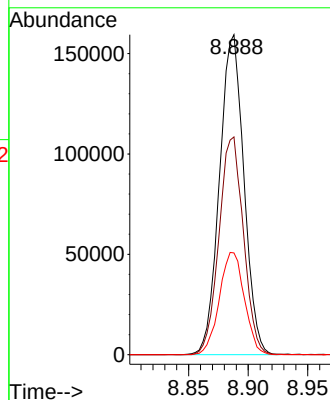
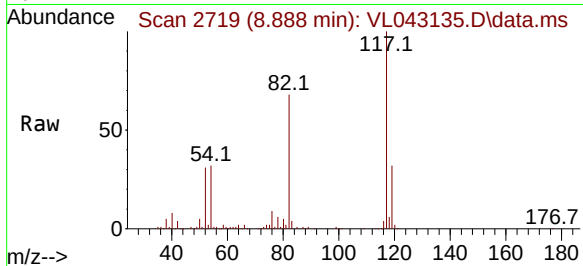




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL043135.D  
Acq: 17 Oct 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
QC101525 CAN 10332

Tgt Ion:117 Resp: 226940  
Ion Ratio Lower Upper  
117 100  
82 68.2 53.8 80.8  
119 32.8 25.4 38.0



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.472 ppbv  
RT: 10.380 min Scan# 3180  
Delta R.T. -0.000 min  
Lab File: VL043135.D  
Acq: 17 Oct 2025 11:03

Tgt Ion: 95 Resp: 184716  
Ion Ratio Lower Upper  
95 100  
174 58.6 48.3 72.5  
175 4.2 3.8 5.8

