Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042116.D
Acq On : 10 Mar 2025 09:54
Operator : SY/MD
Sample : VL0310ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0310ABL01

Quant Time: Mar 11 01:21:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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 | 2.797 | 49 | 162394 | 10.000 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 3.972 | 114 | 386417 | 10.000 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 8.895 | 117 | 325291 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 10.387 | 95 | 247682 | 9.897 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 99.000% | | | |
| Target Compounds | | | | | | Qvalue |

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

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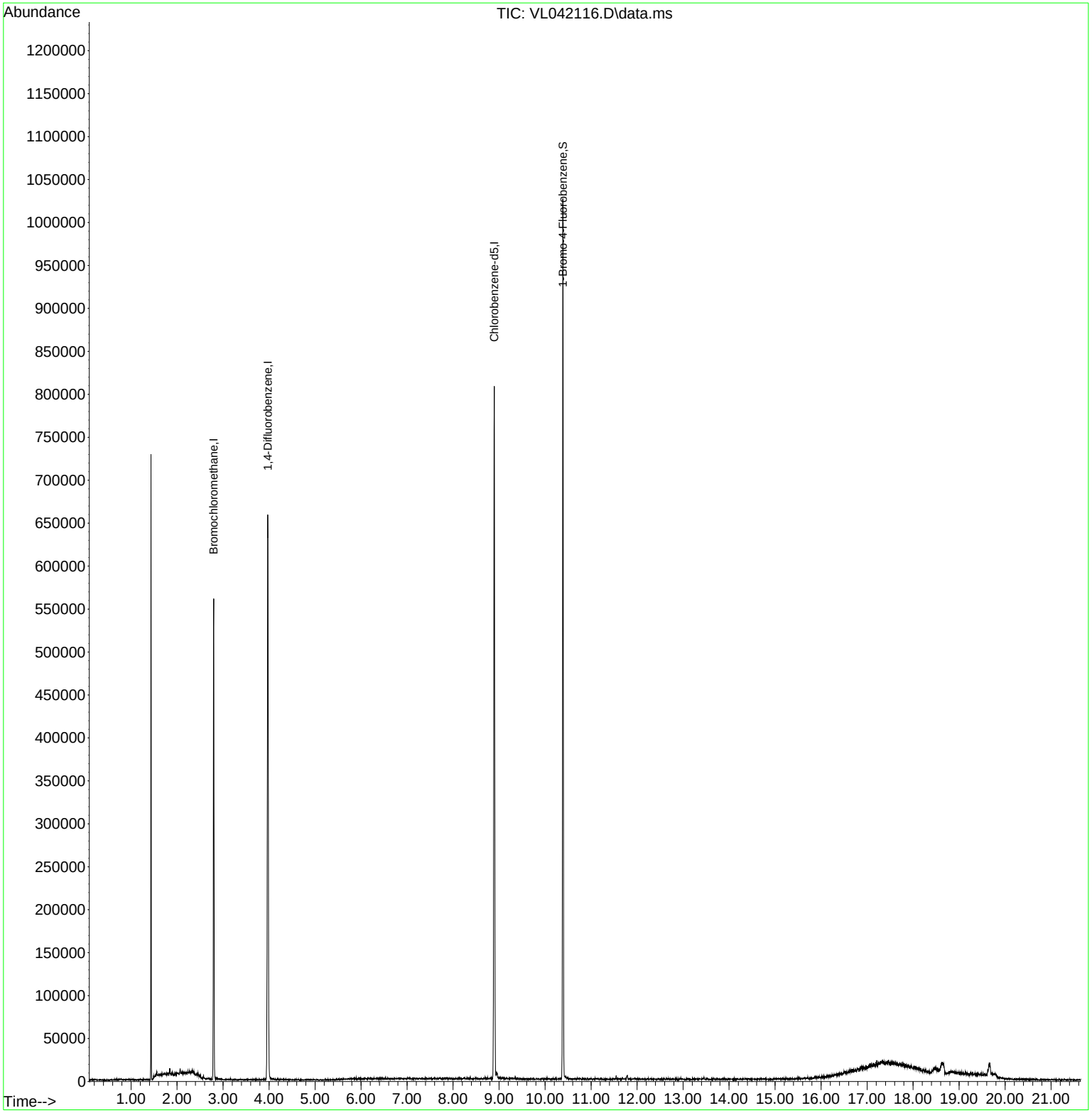
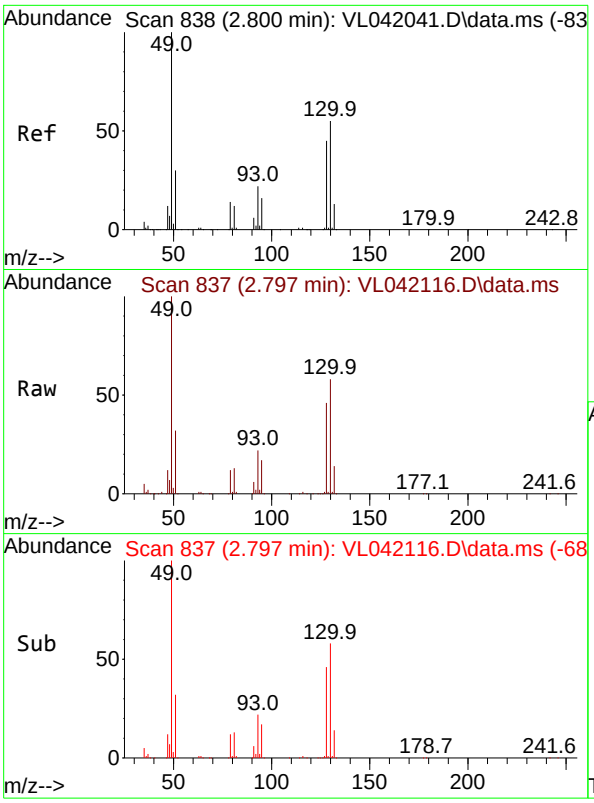


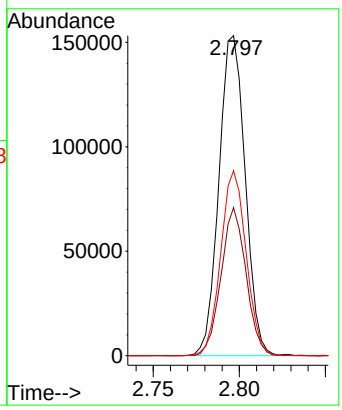


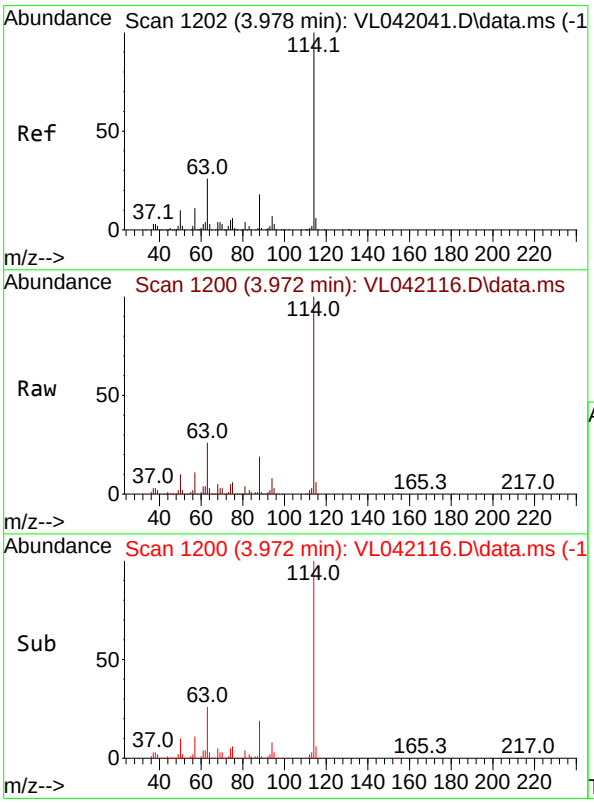

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0310ABL01

Tgt Ion: 49 Resp: 162394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 44.2 | 21.6 | 64.8 |
| 130 | 56.2 | 27.8 | 83.4 |

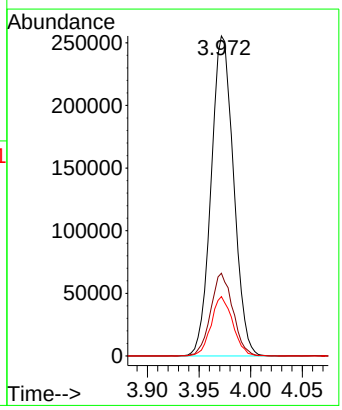


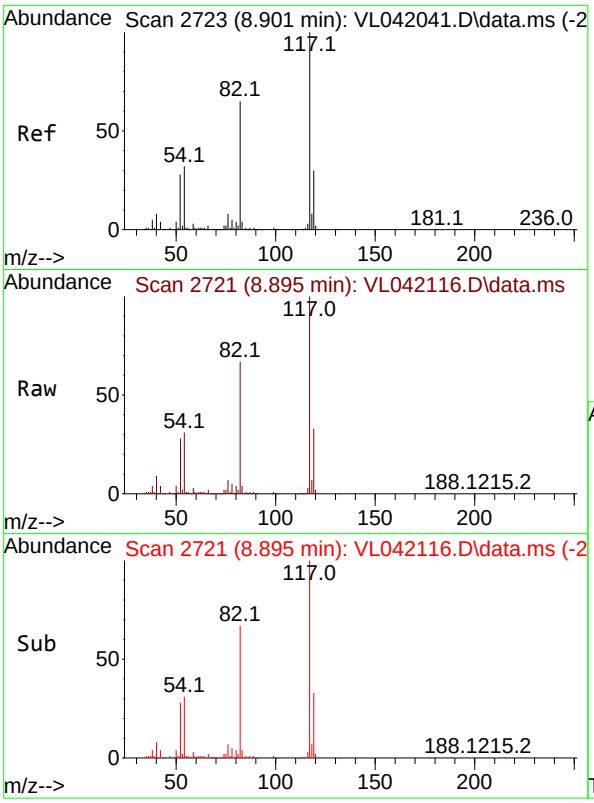




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion:114 Resp: 386417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.6 | 20.1 | 30.1 |
| 88 | 17.9 | 14.3 | 21.5 |



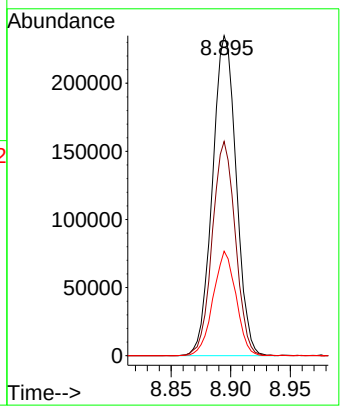


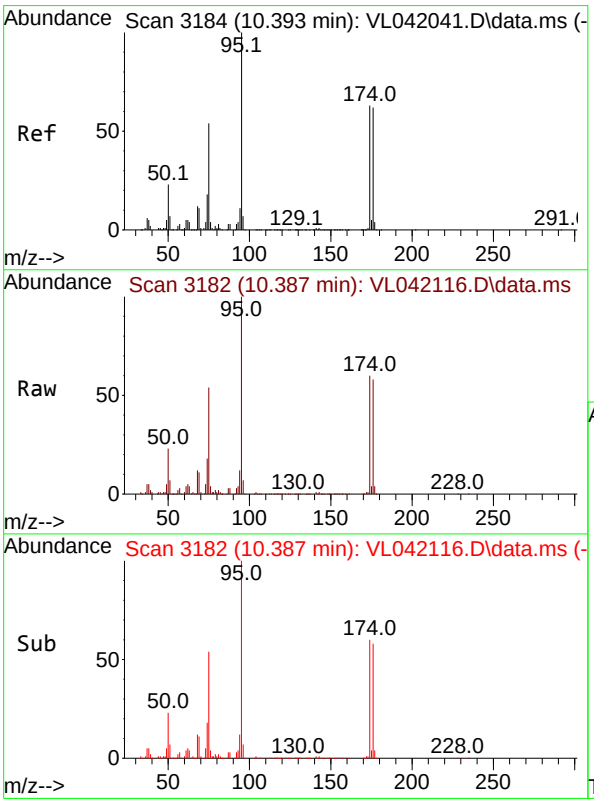

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0310ABL01

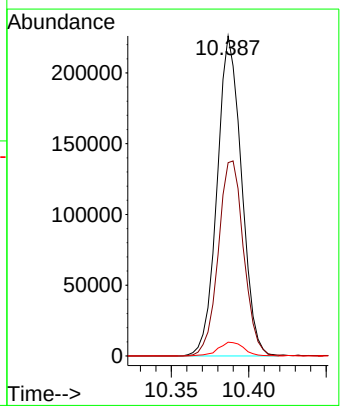
Tgt Ion:117 Resp: 325291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 65.1 | 55.0 | 82.6 |
| 119 | 31.5 | 25.9 | 38.9 |




#68
1-Bromo-4-Fluorobenzene
Concen: 9.897 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 95 Resp: 247682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.7 | 51.8 | 77.6 |
| 175 | 4.6 | 3.9 | 5.9 |