

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041025\  
 Data File : VL042307.D  
 Acq On : 10 Apr 2025 14:20  
 Operator : SY/MD  
 Sample : QC040925 CAN 10604  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC040925 CAN 10604

Quant Time: Apr 11 01:58:51 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

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.781 | 49   | 167662   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.952 | 114  | 409947   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.875 | 117  | 345392   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.370 | 95    | 261215   | 9.209    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 92.100% |

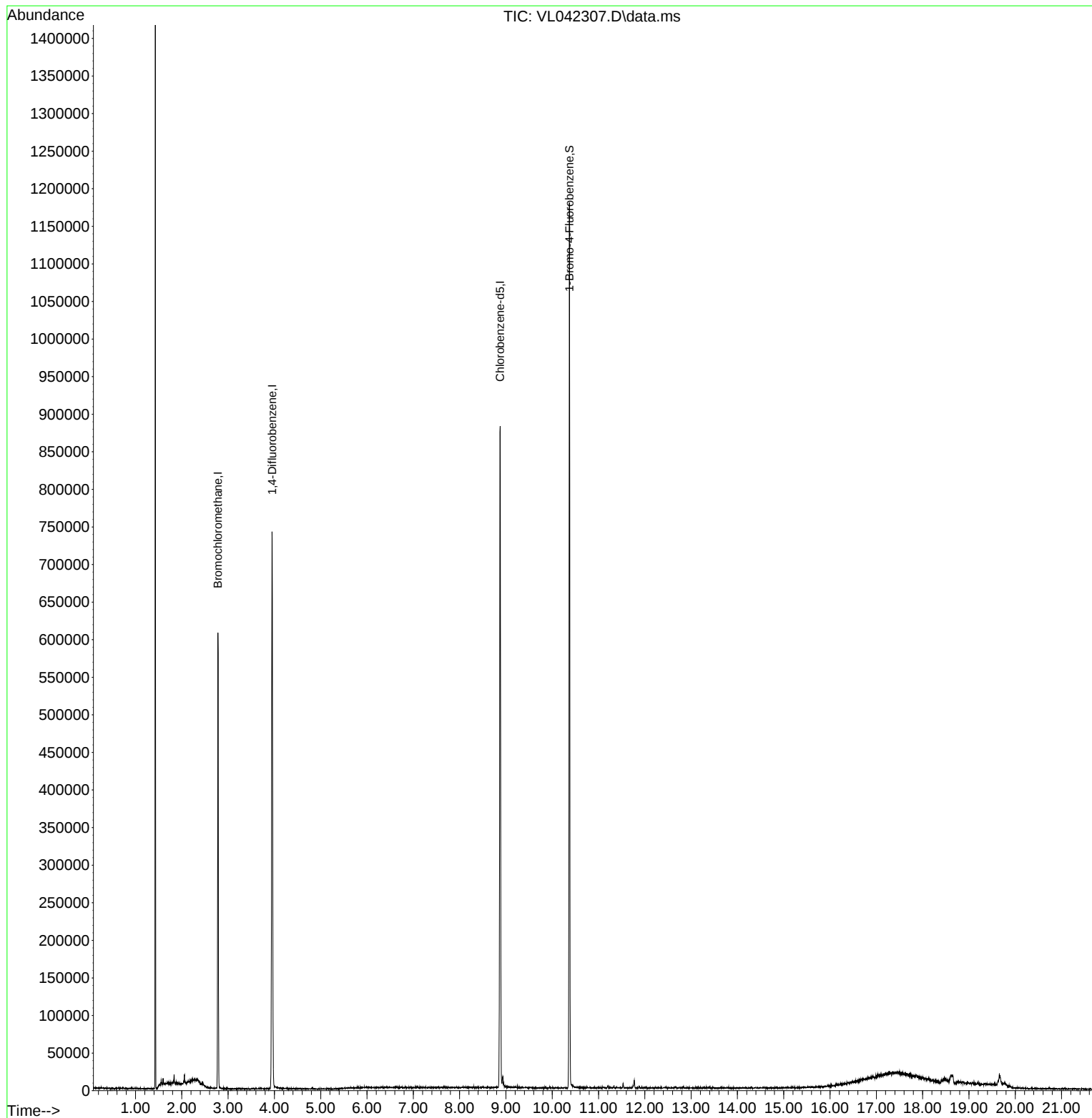
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

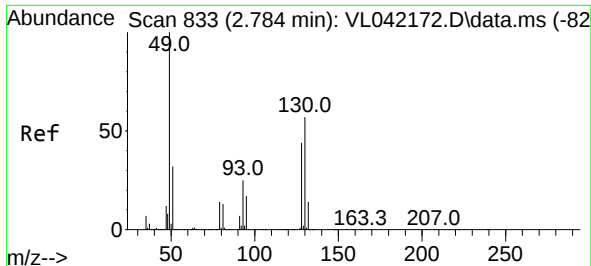
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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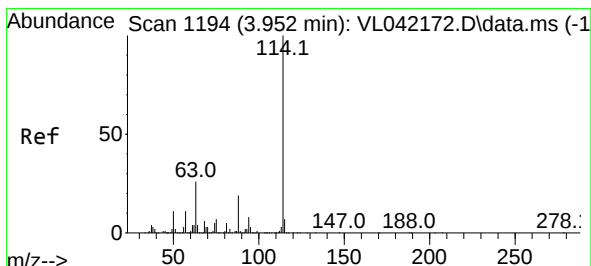
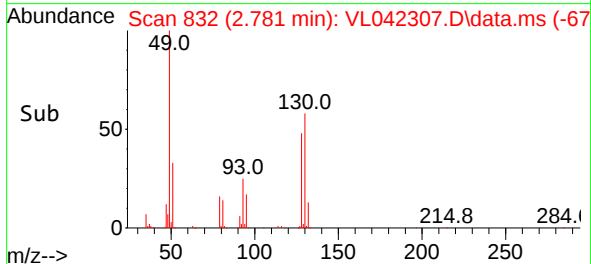
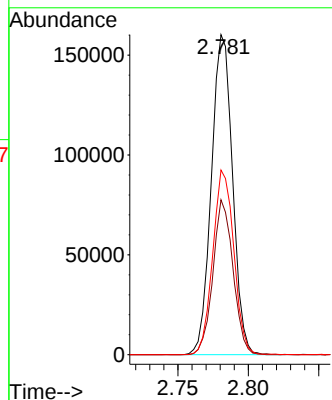
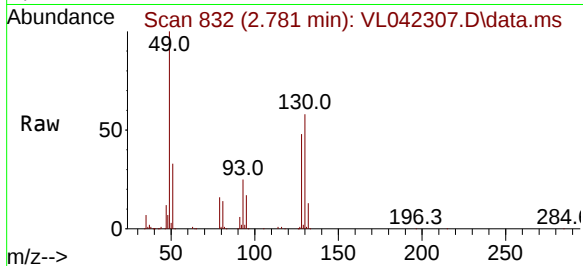




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.781 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042307.D  
Acq: 10 Apr 2025 14:20

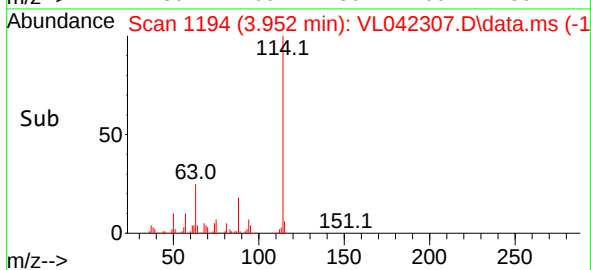
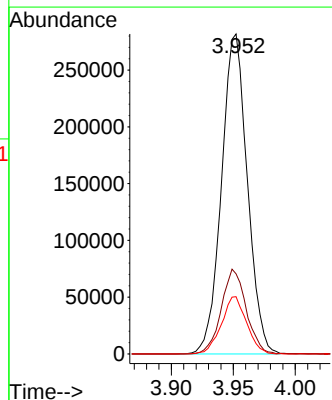
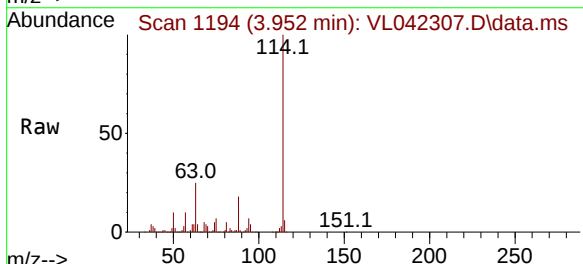
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC040925 CAN 10604

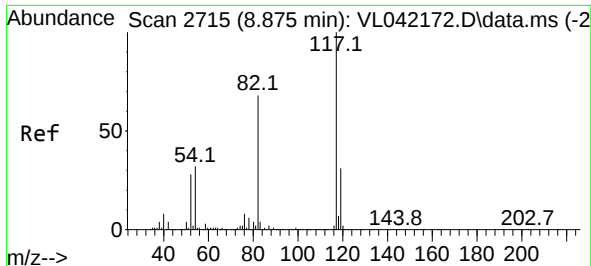
Tgt Ion: 49 Resp: 167662  
Ion Ratio Lower Upper  
49 100  
128 46.0 22.9 68.5  
130 57.4 28.8 86.4



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.952 min Scan# 1194  
Delta R.T. -0.000 min  
Lab File: VL042307.D  
Acq: 10 Apr 2025 14:20

Tgt Ion: 114 Resp: 409947  
Ion Ratio Lower Upper  
114 100  
63 25.6 20.7 31.1  
88 17.5 15.0 22.4

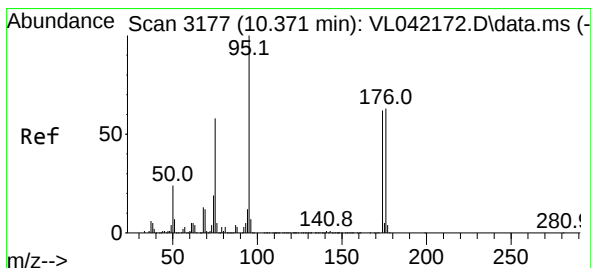
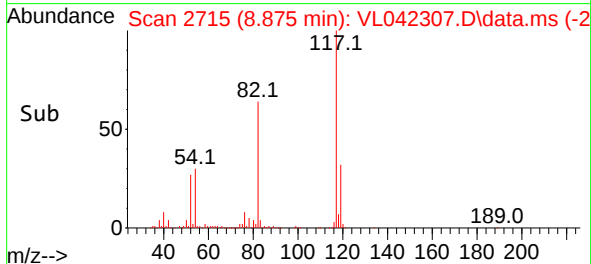
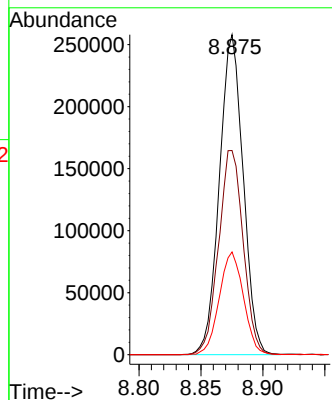
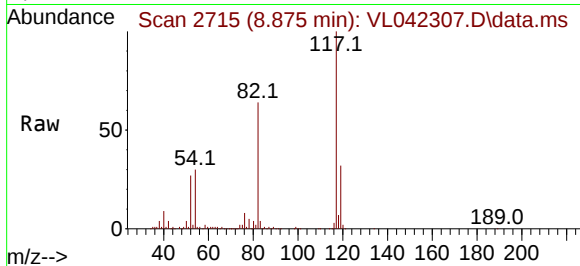




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.875 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL042307.D  
Acq: 10 Apr 2025 14:20

Instrument :  
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Tgt Ion: 117 Resp: 345392  
Ion Ratio Lower Upper  
117 100  
82 66.0 55.8 83.6  
119 32.7 25.5 38.3



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.209 ppbv  
RT: 10.370 min Scan# 3177  
Delta R.T. -0.000 min  
Lab File: VL042307.D  
Acq: 10 Apr 2025 14:20

Tgt Ion: 95 Resp: 261215  
Ion Ratio Lower Upper  
95 100  
174 63.9 50.6 76.0  
175 4.8 3.8 5.6

