

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110823\  
 Data File : VL040817.D  
 Acq On : 8 Nov 2023 19:13  
 Operator : SY/MD  
 Sample : QC110223 CAN 10054  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC110223 CAN 10054

Quant Time: Nov 09 00:32:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Nov 09 00:25:02 2023  
 Response via : Initial Calibration

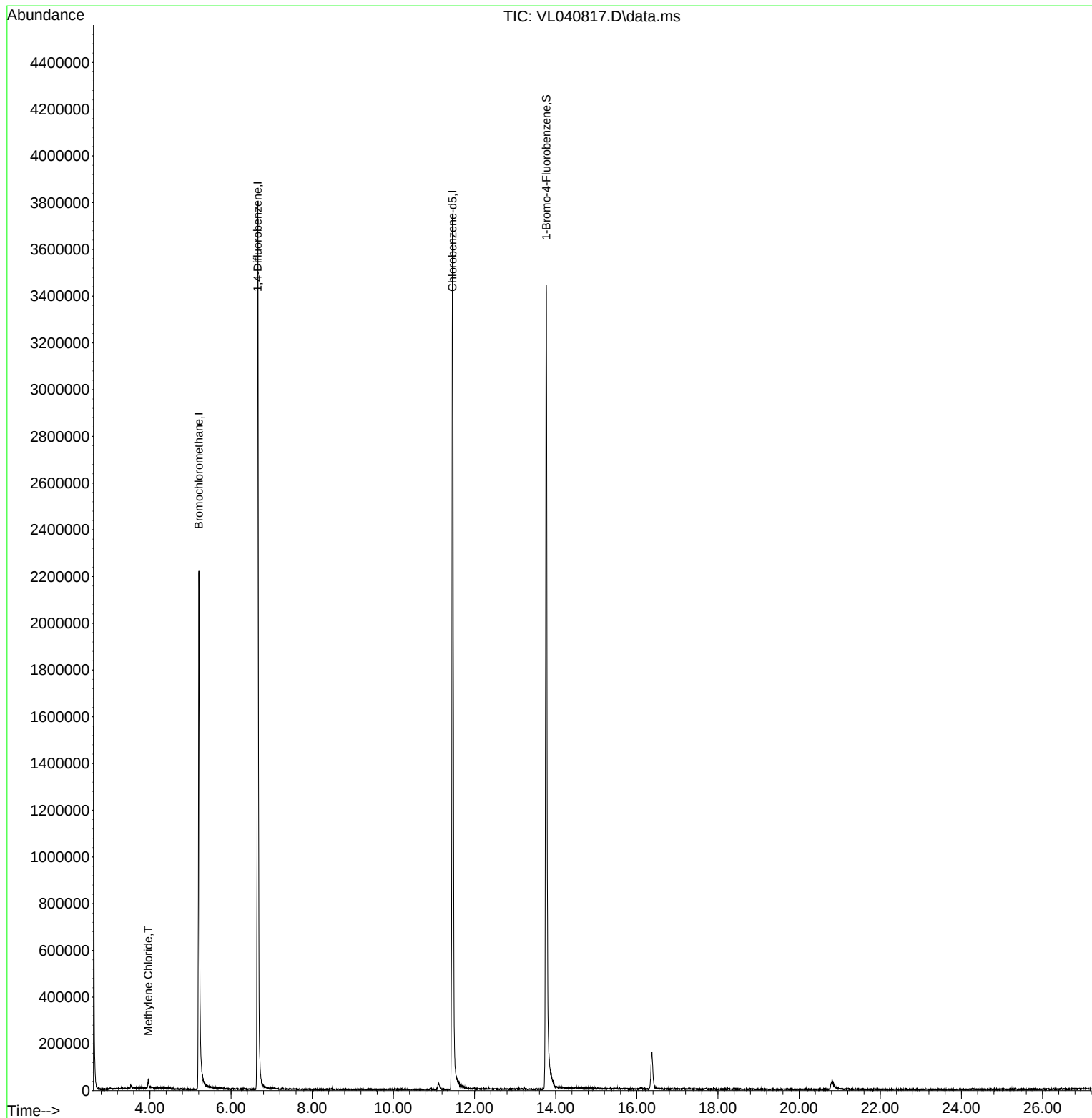
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 5.205  | 49    | 1159724  | 10.000   | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.658  | 114   | 2994645  | 10.000   | ppbv  | 0.00     |
| 55) Chlorobenzene-d5        | 11.458 | 117   | 2506921  | 10.000   | ppbv  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.767 | 95    | 1890290  | 10.247   | ppbv  | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 102.500% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 3.960  | 84    | 10175    | 0.204    | ppbv  | 89       |
| -----                       |        |       |          |          |       |          |

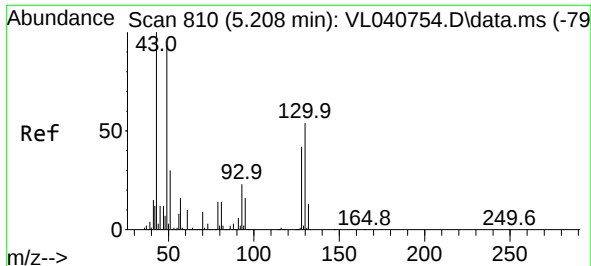
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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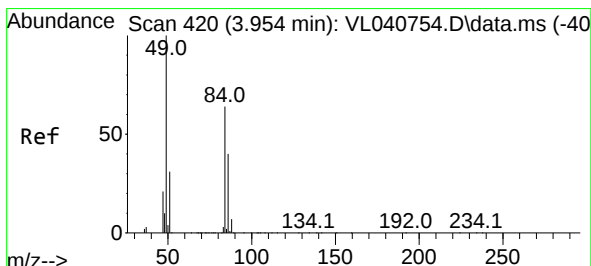
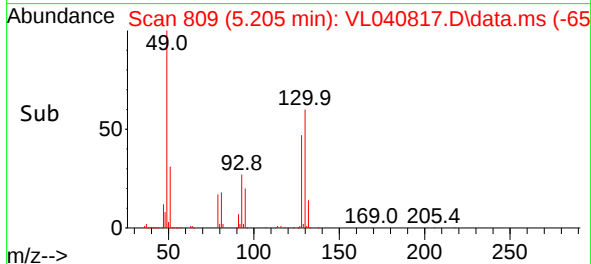
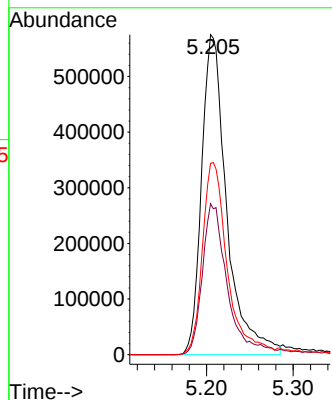
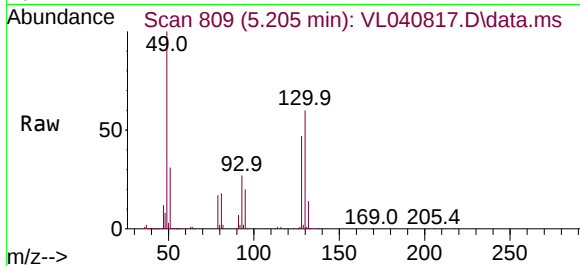




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.205 min Scan# 810  
Delta R.T. -0.003 min  
Lab File: VL040817.D  
Acq: 8 Nov 2023 19:13

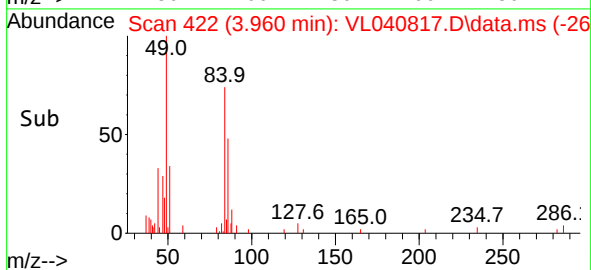
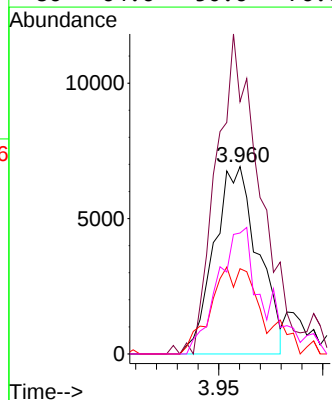
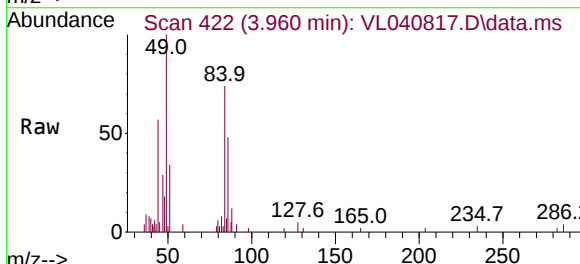
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC110223 CAN 10054

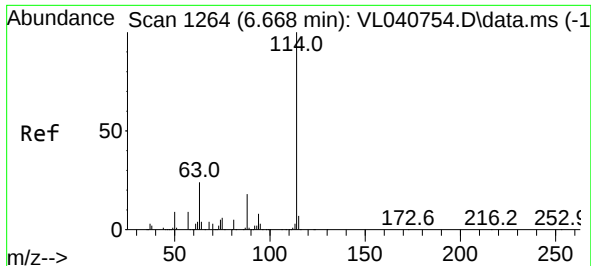
Tgt Ion: 49 Resp: 1159724  
Ion Ratio Lower Upper  
49 100  
128 49.2 23.9 71.7  
130 62.4 30.7 92.1



#20  
Methylene Chloride  
Concen: 0.204 ppbv  
RT: 3.960 min Scan# 422  
Delta R.T. 0.000 min  
Lab File: VL040817.D  
Acq: 8 Nov 2023 19:13

Tgt Ion: 84 Resp: 10175  
Ion Ratio Lower Upper  
84 100  
49 134.7 125.6 188.4  
51 45.5 38.9 58.3  
86 64.6 50.6 76.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040817.D

Acq: 8 Nov 2023 19:13

Instrument :

MSVOA\_L

ClientSampleId :

QC110223 CAN 10054

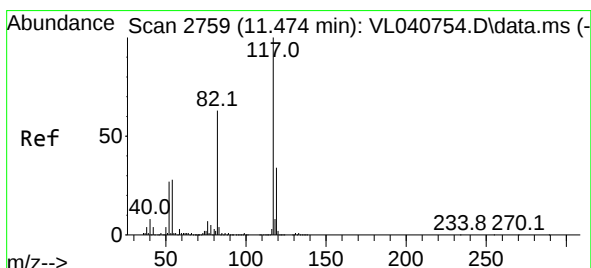
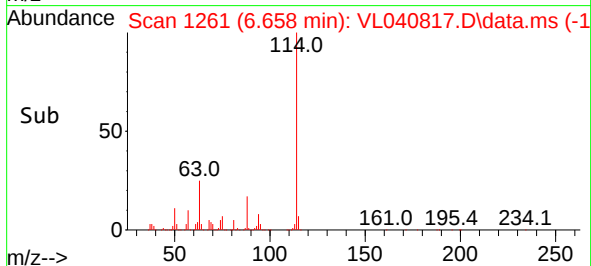
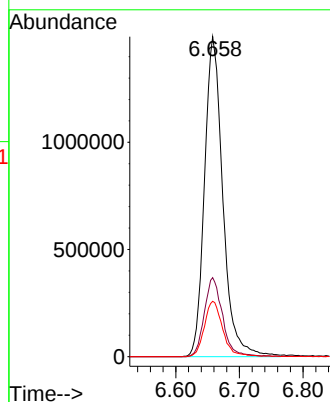
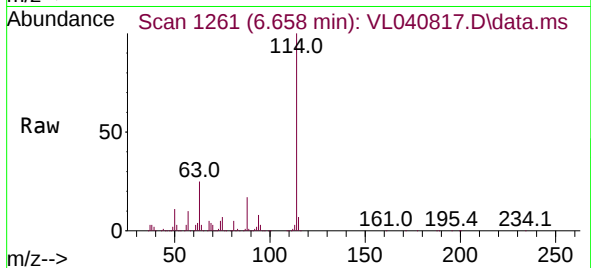
Tgt Ion:114 Resp: 2994645

Ion Ratio Lower Upper

114 100

63 24.8 19.8 29.6

88 17.6 14.2 21.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. -0.003 min

Lab File: VL040817.D

Acq: 8 Nov 2023 19:13

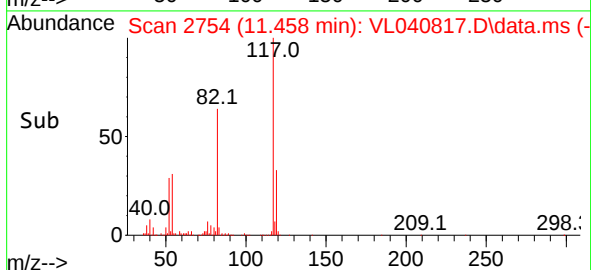
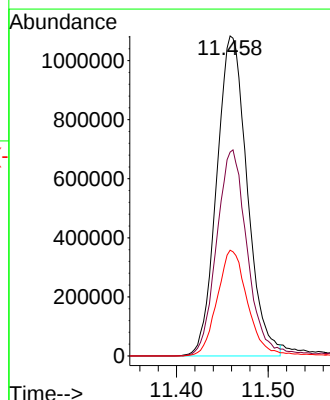
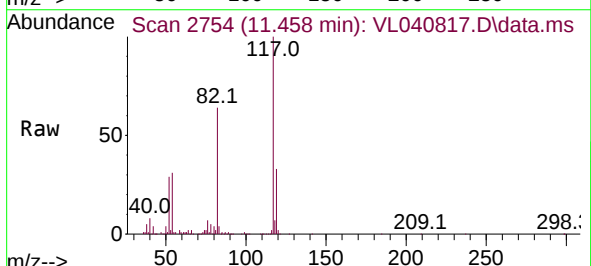
Tgt Ion:117 Resp: 2506921

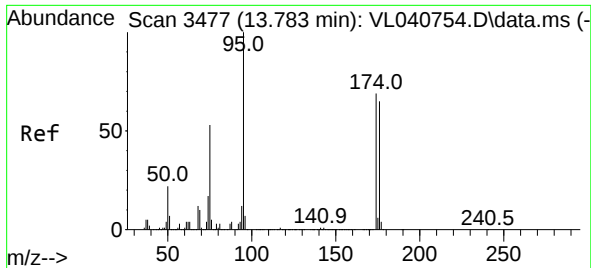
Ion Ratio Lower Upper

117 100

82 65.0 46.6 70.0

119 33.7 26.0 39.0





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.247 ppbv  
 RT: 13.767 min Scan# 34  
 Delta R.T. -0.003 min  
 Lab File: VL040817.D  
 Acq: 8 Nov 2023 19:13

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC110223 CAN 10054

Tgt Ion: 95 Resp: 1890290

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 61.3  | 54.7  | 82.1  |
| 175 | 4.6   | 4.2   | 6.4   |

