

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101123\  
 Data File : VL040765.D  
 Acq On : 11 Oct 2023 21:04  
 Operator : SY/MD  
 Sample : QC100423 CAN 1010410  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC100423 CAN 10410

Quant Time: Oct 12 00:28:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Oct 12 00:21:08 2023  
 Response via : Initial Calibration

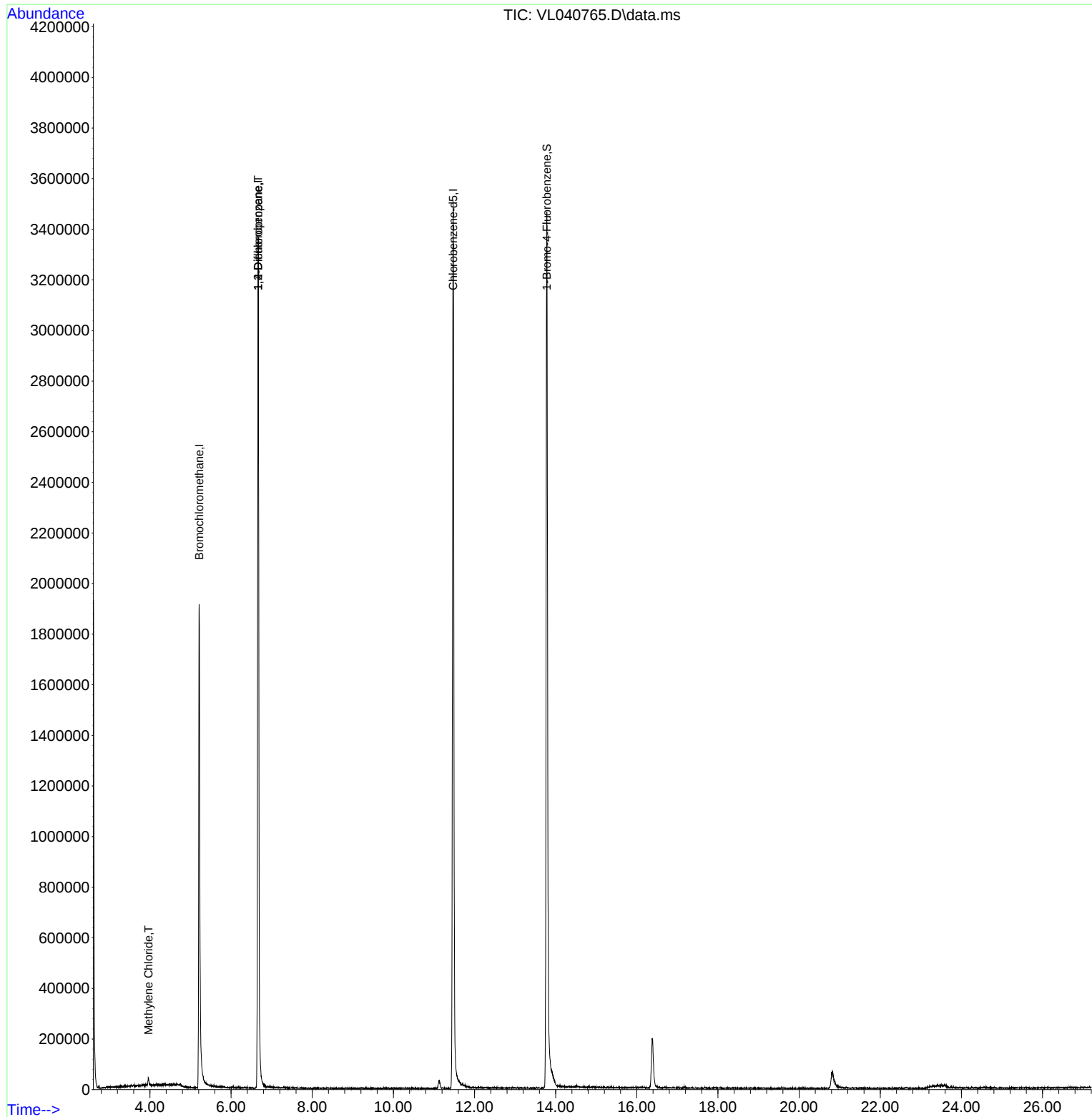
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.214  | 49    | 1007370  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.668  | 114   | 2812509  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.474 | 117   | 2559401  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.780 | 95    | 1934900  | 10.274   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 102.700% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 3.964  | 84    | 9545     | 0.220    | ppbv # | 75       |
| 39) 1,2-Dichloropropane     | 6.668  | 63    | 656806   | 7.771    | ppbv # | 26       |
| -----                       |        |       |          |          |        |          |

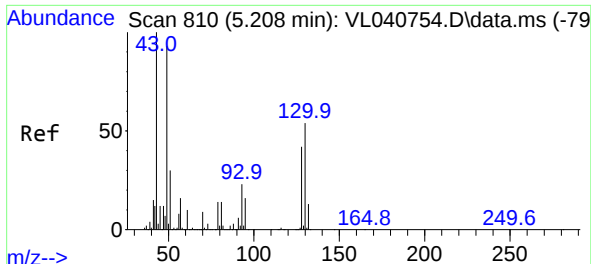
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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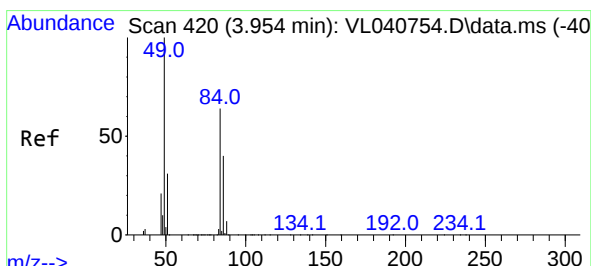
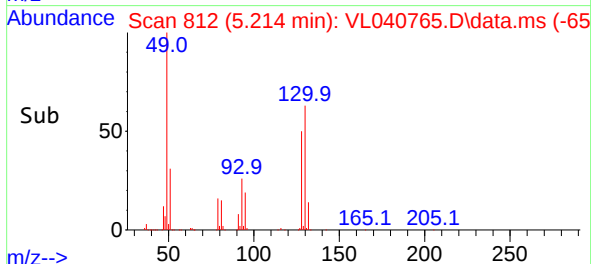
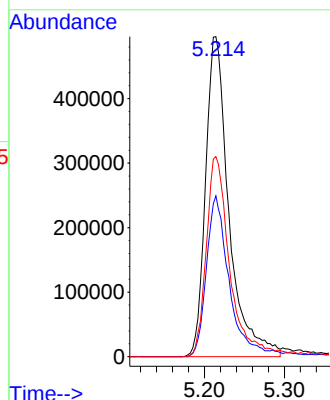
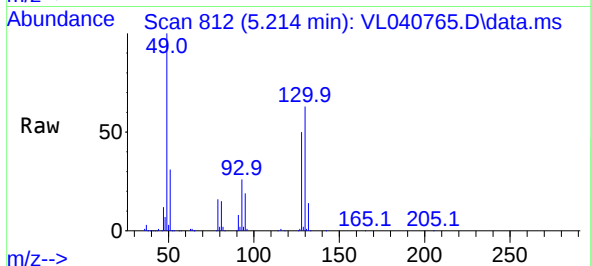




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 810  
Delta R.T. 0.006 min  
Lab File: VL040765.D  
Acq: 11 Oct 2023 21:04

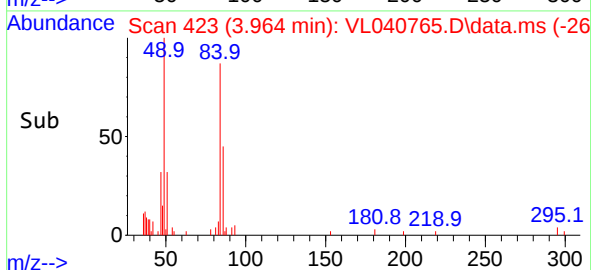
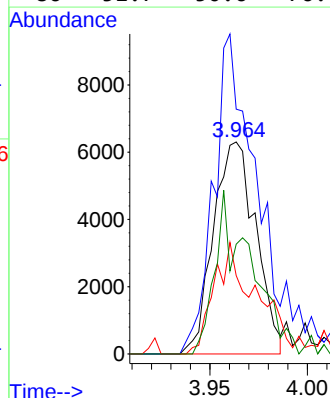
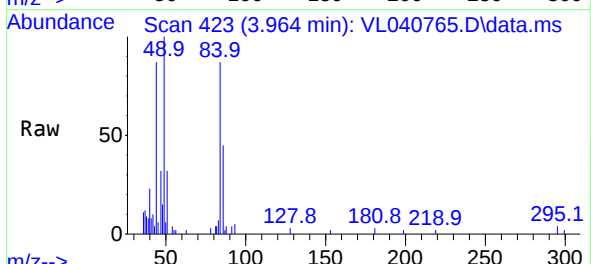
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC100423 CAN 10410

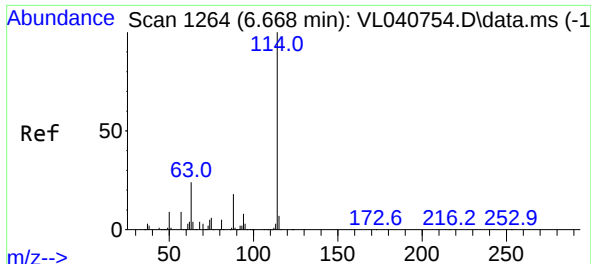
Tgt Ion: 49 Resp: 1007370  
Ion Ratio Lower Upper  
49 100  
128 51.0 23.9 71.7  
130 64.9 30.7 92.1



#20  
Methylene Chloride  
Concen: 0.220 ppbv  
RT: 3.964 min Scan# 423  
Delta R.T. 0.010 min  
Lab File: VL040765.D  
Acq: 11 Oct 2023 21:04

Tgt Ion: 84 Resp: 9545  
Ion Ratio Lower Upper  
84 100  
49 115.4 125.6 188.4#  
51 37.0 38.9 58.3#  
86 51.7 50.6 76.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040765.D

Acq: 11 Oct 2023 21:04

Instrument :

MSVOA\_L

ClientSampleId :

QC100423 CAN 10410

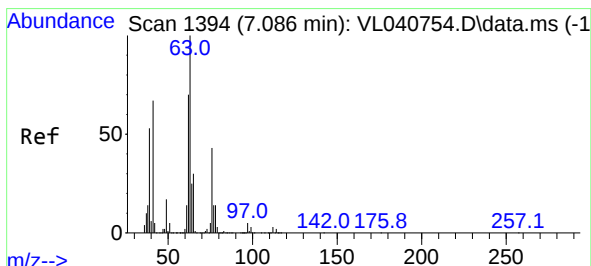
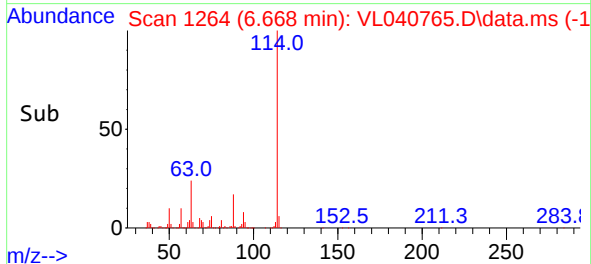
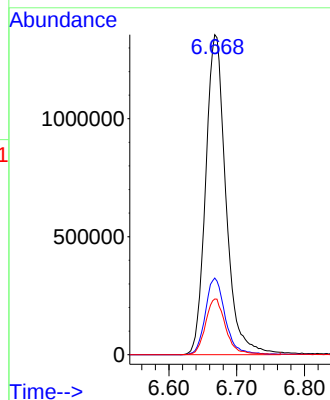
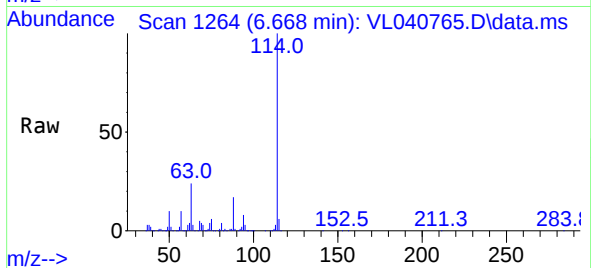
Tgt Ion:114 Resp: 2812509

Ion Ratio Lower Upper

114 100

63 23.9 19.8 29.6

88 17.4 14.2 21.2



#39

1,2-Dichloropropane

Concen: 7.771 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.418 min

Lab File: VL040765.D

Acq: 11 Oct 2023 21:04

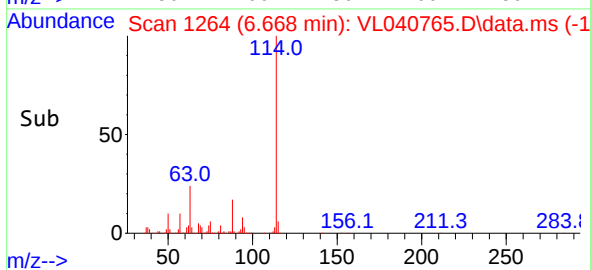
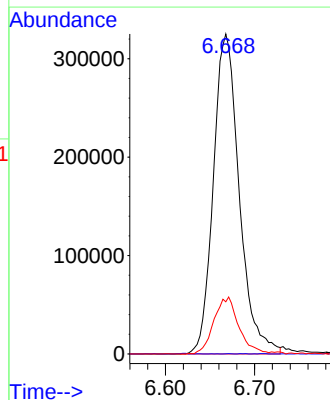
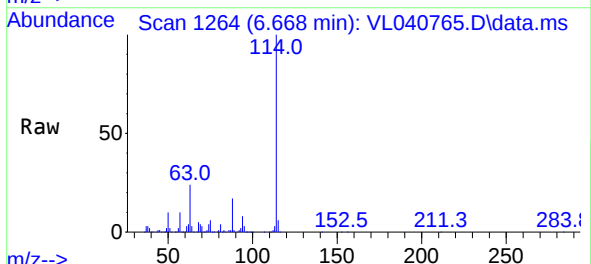
Tgt Ion: 63 Resp: 656806

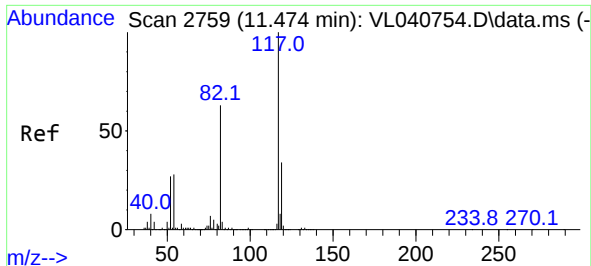
Ion Ratio Lower Upper

63 100

41 0.1 53.7 80.5#

62 16.3 55.7 83.5#

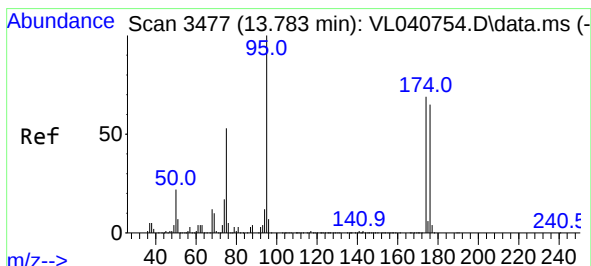
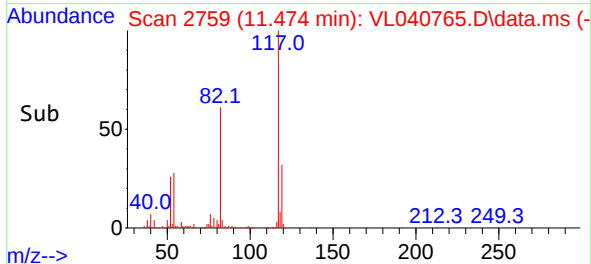
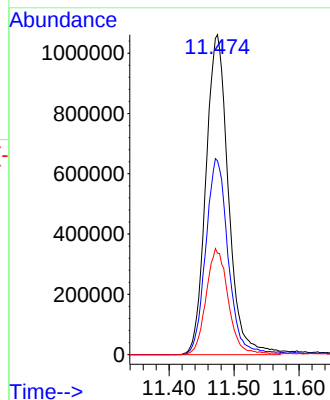
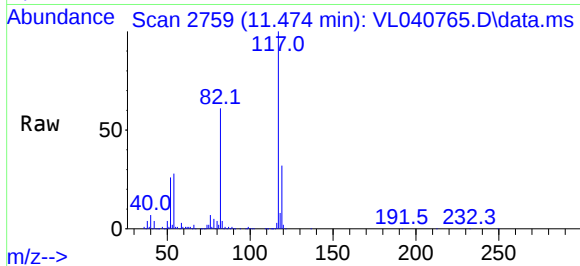




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.474 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040765.D  
Acq: 11 Oct 2023 21:04

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC100423 CAN 10410

Tgt Ion:117 Resp: 2559401  
Ion Ratio Lower Upper  
117 100  
82 62.7 46.6 70.0  
119 33.1 26.0 39.0



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.274 ppbv  
RT: 13.780 min Scan# 3476  
Delta R.T. -0.003 min  
Lab File: VL040765.D  
Acq: 11 Oct 2023 21:04

Tgt Ion: 95 Resp: 1934900  
Ion Ratio Lower Upper  
95 100  
174 68.6 54.7 82.1  
175 5.4 4.2 6.4

