

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010923\  
 Data File : VL040081.D  
 Acq On : 9 Jan 2023 18:29  
 Operator : SY/MD  
 Sample : QC122822 CAN 10269  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC122822 CAN 10269

Quant Time: Jan 09 21:33:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Dec 20 04:50:21 2022  
 Response via : Initial Calibration

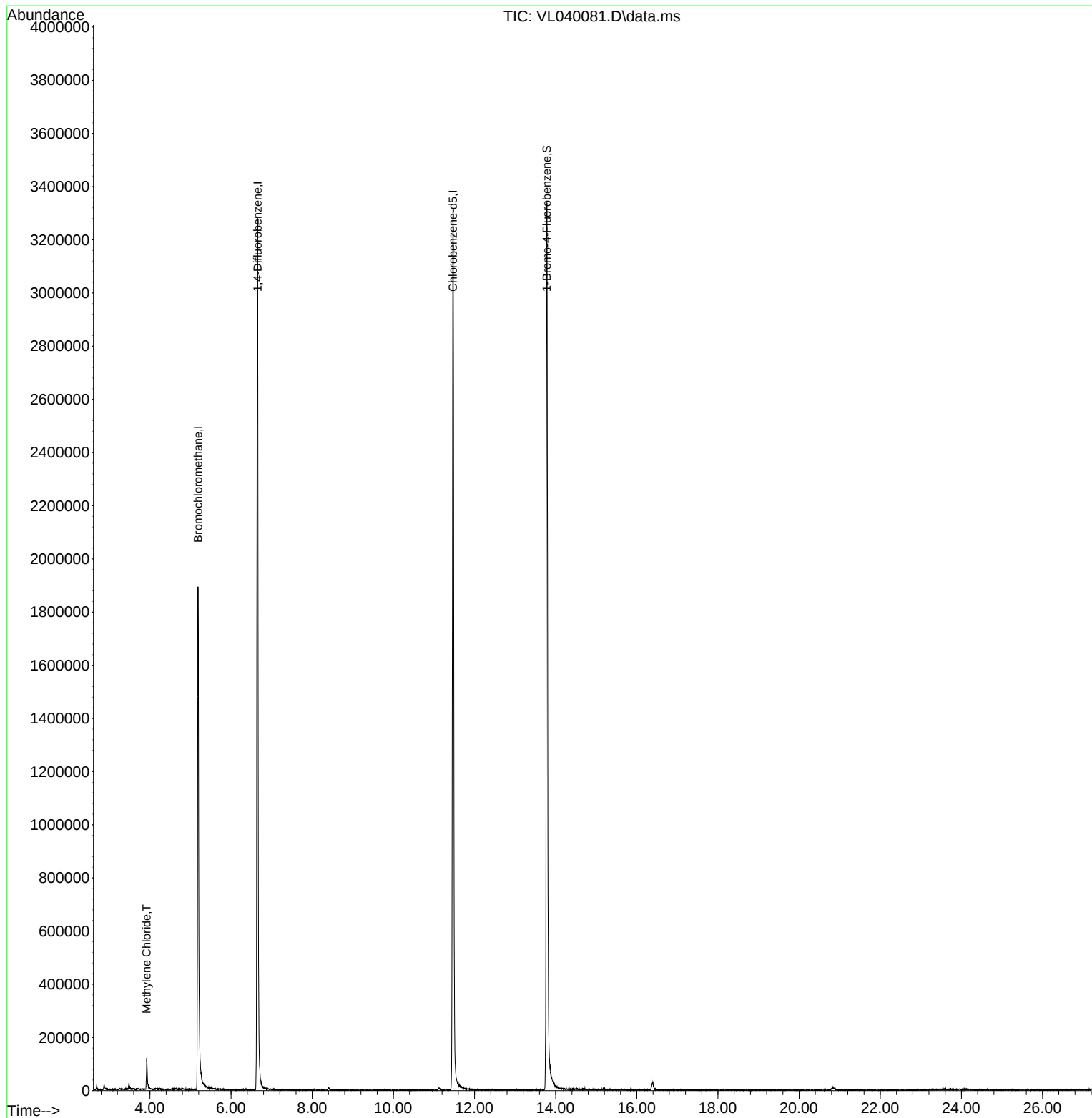
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Bromochloromethane       | 5.185  | 49    | 915007   | 10.000   | ppbv  | 0.01      |
| 33) 1,4-Difluorobenzene     | 6.652  | 114   | 2467387  | 10.000   | ppbv  | 0.02      |
| 55) Chlorobenzene-d5        | 11.468 | 117   | 2137871  | 10.000   | ppbv  | 0.02      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 68) 1-Bromo-4-Fluorobenzene | 13.783 | 95    | 1712098  | 10.484   | ppbv  | 0.02      |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 104.800%  |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 3.922  | 84    | 35177    | 0.585    | ppbv  | Qvalue 96 |
| -----                       |        |       |          |          |       |           |

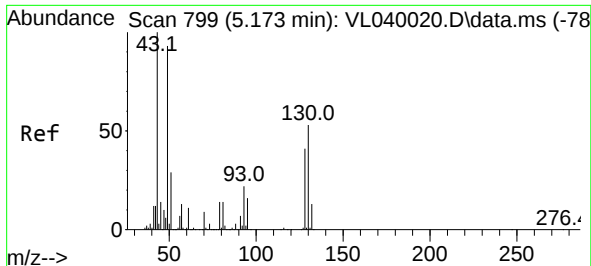
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_L  
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QC122822 CAN 10269

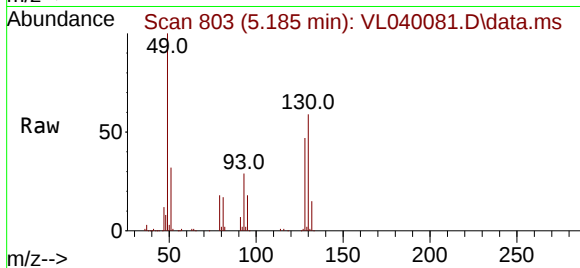
Quant Time: Jan 09 21:33:16 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Dec 20 04:50:21 2022  
Response via : Initial Calibration



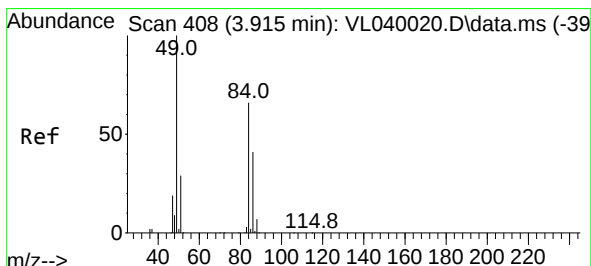
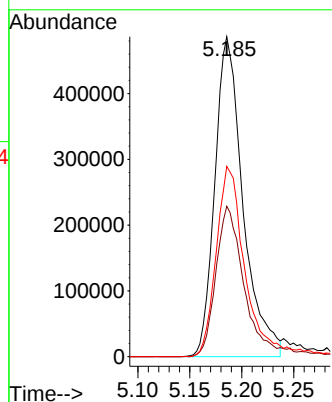
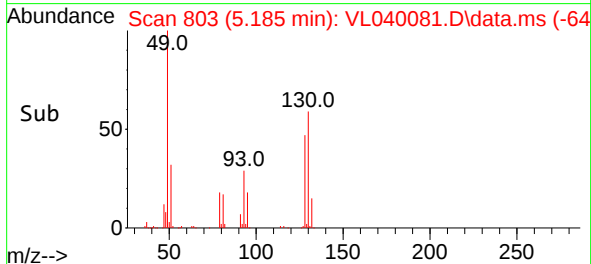


#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.185 min Scan# 80  
 Delta R.T. 0.012 min  
 Lab File: VL040081.D  
 Acq: 9 Jan 2023 18:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC122822 CAN 10269

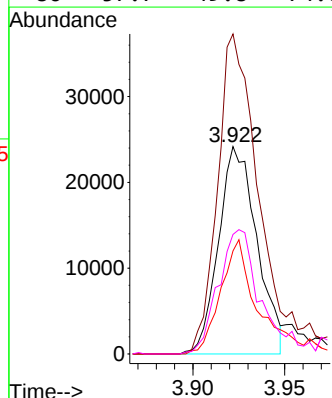
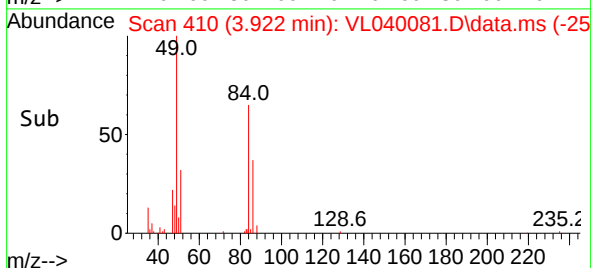
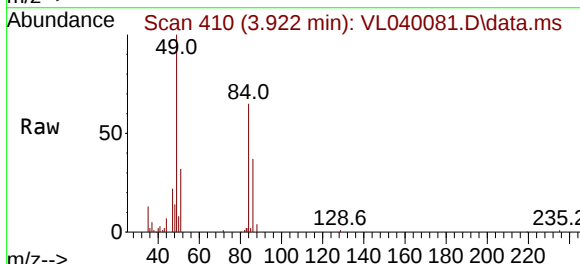


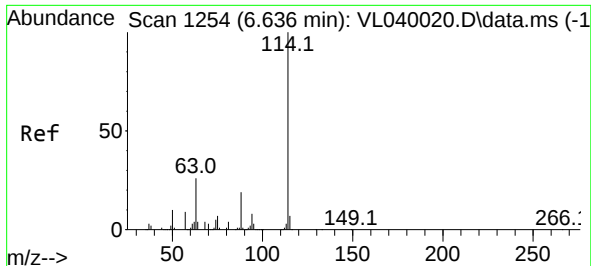
Tgt Ion: 49 Resp: 915007  
 Ion Ratio Lower Upper  
 49 100  
 128 49.0 22.4 67.3  
 130 63.3 28.9 86.8



#20  
 Methylene Chloride  
 Concen: 0.585 ppbv  
 RT: 3.922 min Scan# 410  
 Delta R.T. 0.006 min  
 Lab File: VL040081.D  
 Acq: 9 Jan 2023 18:29

Tgt Ion: 84 Resp: 35177  
 Ion Ratio Lower Upper  
 84 100  
 49 153.6 120.5 180.7  
 51 49.7 35.2 52.8  
 86 57.7 49.8 74.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL040081.D

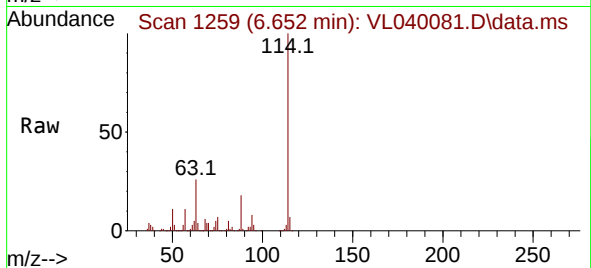
Acq: 9 Jan 2023 18:29

Instrument :

MSVOA\_L

ClientSampleId :

QC122822 CAN 10269



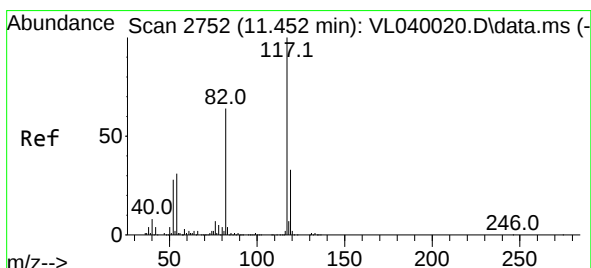
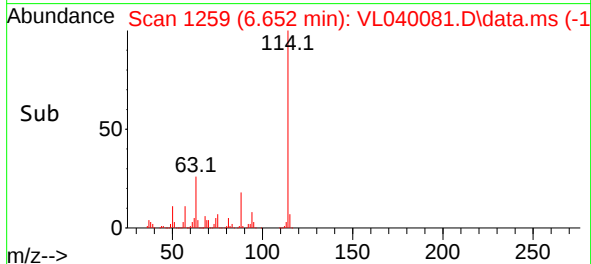
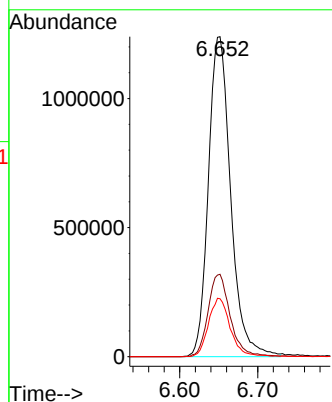
Tgt Ion:114 Resp: 2467387

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

88 18.0 14.6 21.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. 0.016 min

Lab File: VL040081.D

Acq: 9 Jan 2023 18:29

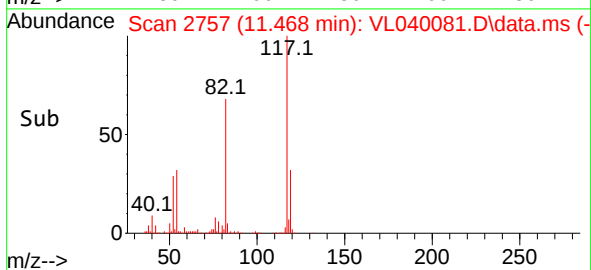
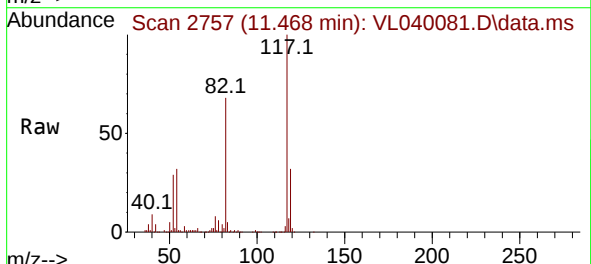
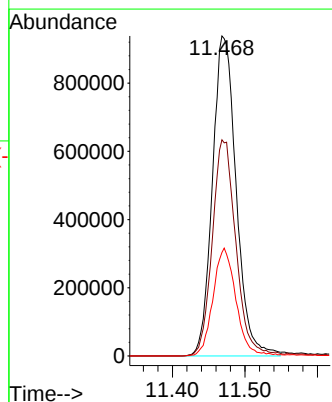
Tgt Ion:117 Resp: 2137871

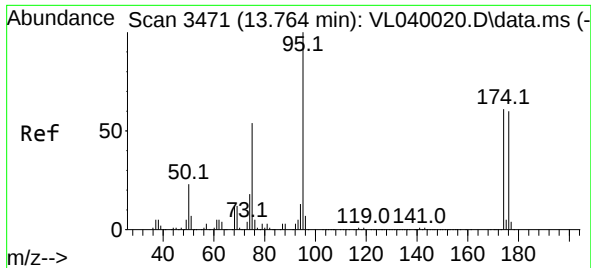
Ion Ratio Lower Upper

117 100

82 67.9 51.2 76.8

119 33.0 23.2 34.8





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.484 ppbv  
 RT: 13.783 min Scan# 3477  
 Delta R.T. 0.019 min  
 Lab File: VL040081.D  
 Acq: 9 Jan 2023 18:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC122822 CAN 10269

Tgt Ion: 95 Resp: 1712098  
 Ion Ratio Lower Upper  
 95 100  
 174 60.1 48.6 73.0  
 175 4.2 3.4 5.2

