

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092723\  
 Data File : VL040721.D  
 Acq On : 27 Sep 2023 10:34  
 Operator : SY/MD  
 Sample : VL0927ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Sep 28 01:42:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091423AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 19 05:12:43 2023  
 Response via : Initial Calibration

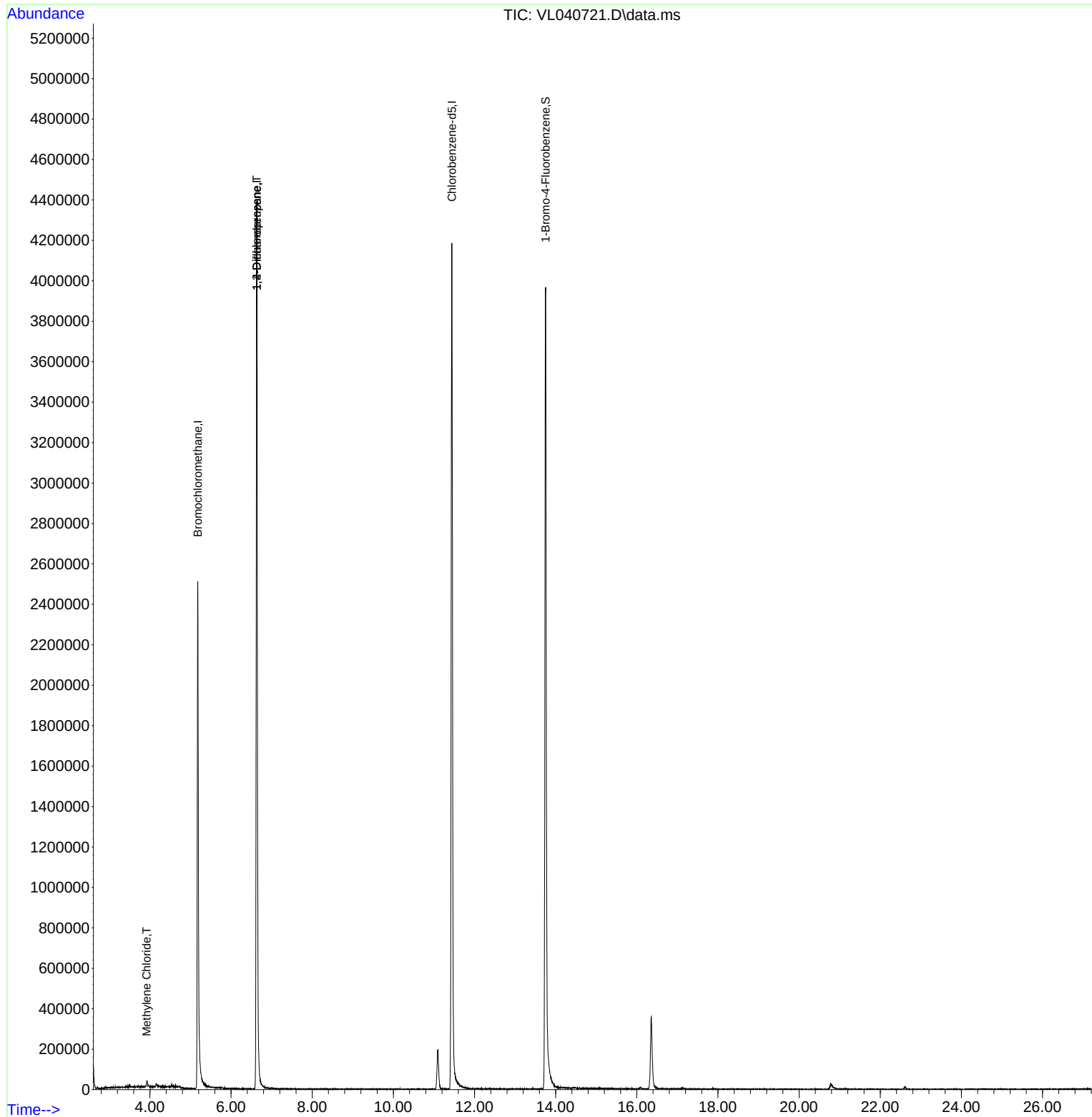
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.179  | 49    | 1278727  | 10.000   | ppbv   | -0.02    |
| 33) 1,4-Difluorobenzene     | 6.636  | 114   | 3527937  | 10.000   | ppbv   | -0.03    |
| 55) Chlorobenzene-d5        | 11.442 | 117   | 2927230  | 10.000   | ppbv   | -0.04    |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.751 | 95    | 2065856  | 9.134    | ppbv   | -0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 91.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 3.922  | 84    | 5087     | 0.056    | ppbv # | 64       |
| 39) 1,2-Dichloropropane     | 6.632  | 63    | 826990   | 8.224    | ppbv # | 22       |
| -----                       |        |       |          |          |        |          |

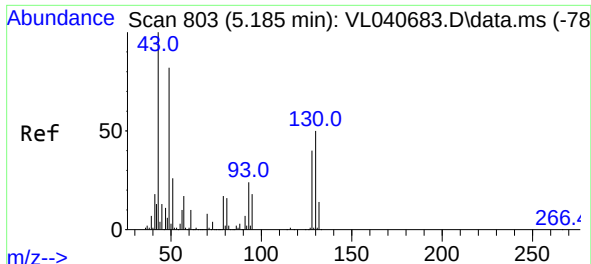
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_L  
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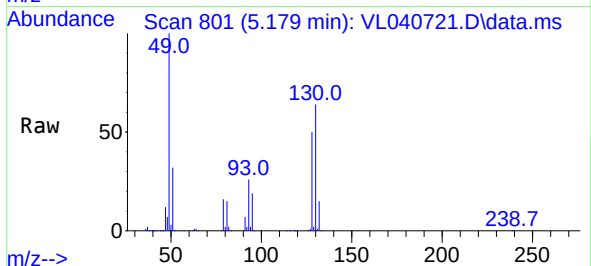
Quant Time: Sep 28 01:42:52 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091423AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Sep 19 05:12:43 2023  
Response via : Initial Calibration



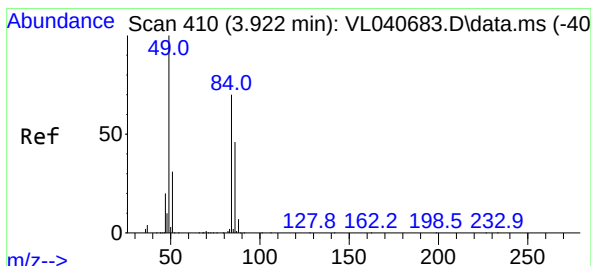
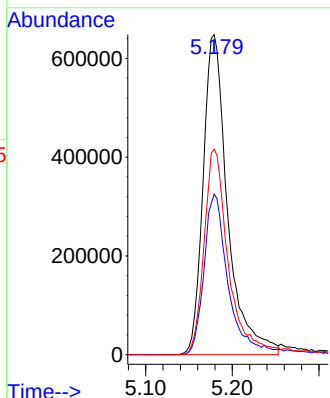
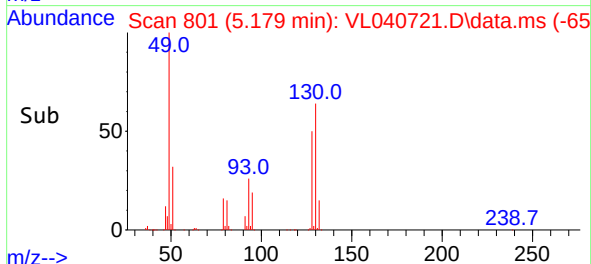


#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.179 min Scan# 80  
Delta R.T. -0.019 min  
Lab File: VL040721.D  
Acq: 27 Sep 2023 10:34

Instrument :  
MSVOA\_L  
ClientSampleId :

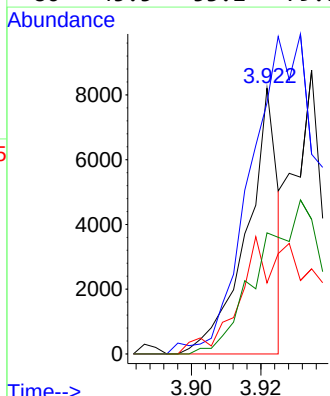
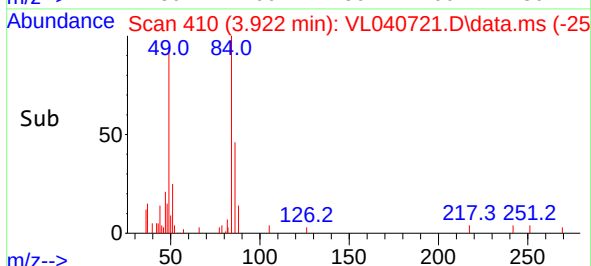
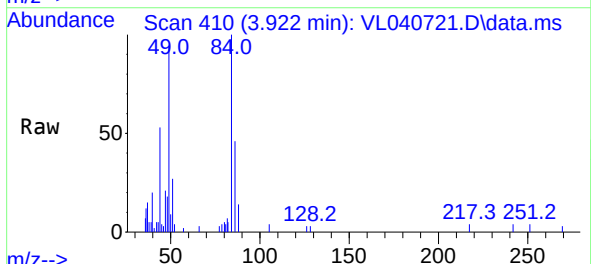


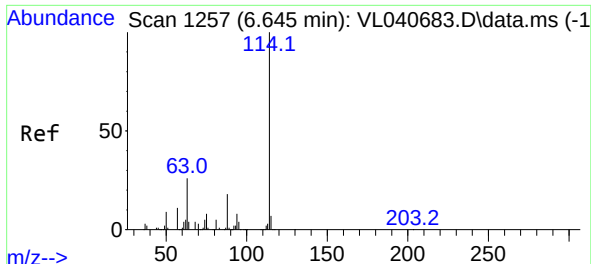
Tgt Ion: 49 Resp: 1278727  
Ion Ratio Lower Upper  
49 100  
128 52.2 25.4 76.0  
130 65.9 32.3 96.8



#20  
Methylene Chloride  
Concen: 0.056 ppbv  
RT: 3.922 min Scan# 410  
Delta R.T. -0.016 min  
Lab File: VL040721.D  
Acq: 27 Sep 2023 10:34

Tgt Ion: 84 Resp: 5087  
Ion Ratio Lower Upper  
84 100  
49 90.4 114.4 171.6#  
51 26.7 35.5 53.3#  
86 45.5 53.2 79.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040721.D

Acq: 27 Sep 2023 10:34

Instrument :

MSVOA\_L

ClientSampleId :

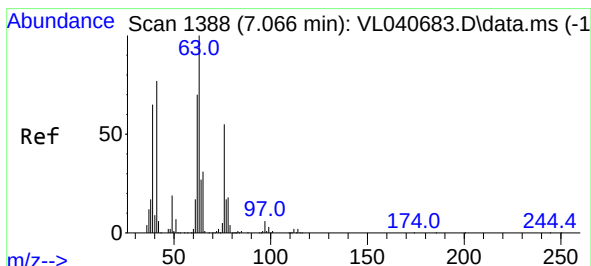
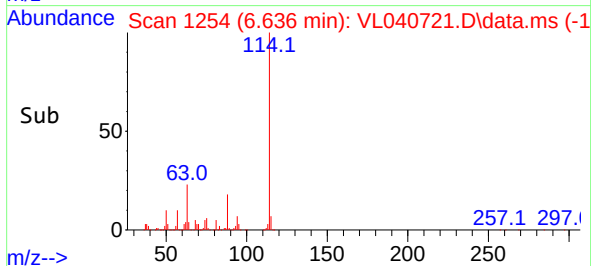
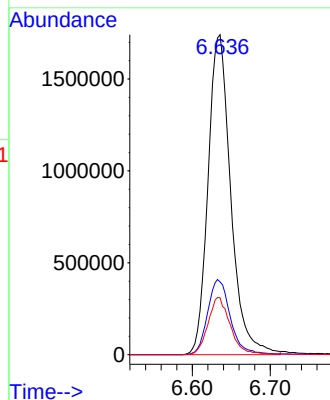
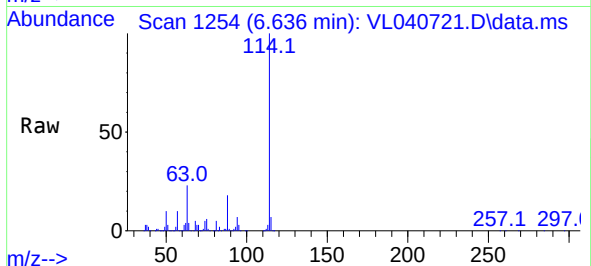
Tgt Ion:114 Resp: 3527937

Ion Ratio Lower Upper

114 100

63 23.9 21.1 31.7

88 17.7 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.224 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.450 min

Lab File: VL040721.D

Acq: 27 Sep 2023 10:34

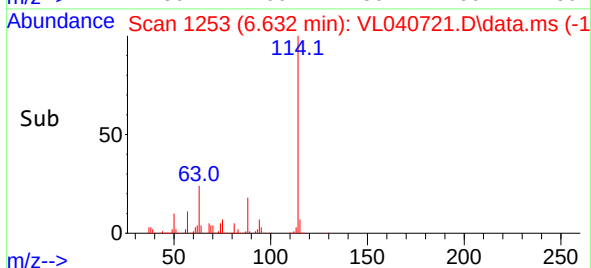
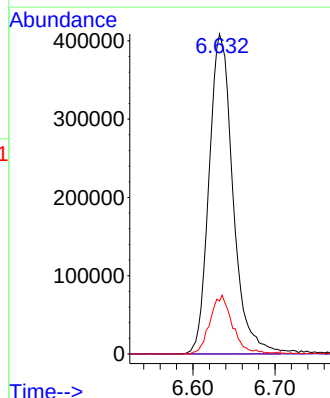
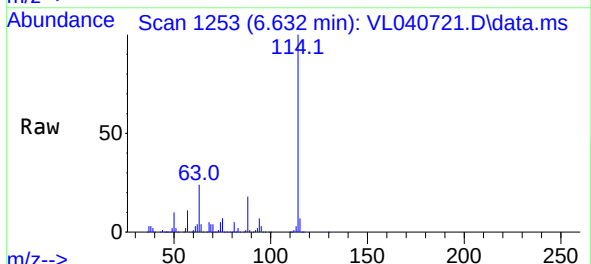
Tgt Ion: 63 Resp: 826990

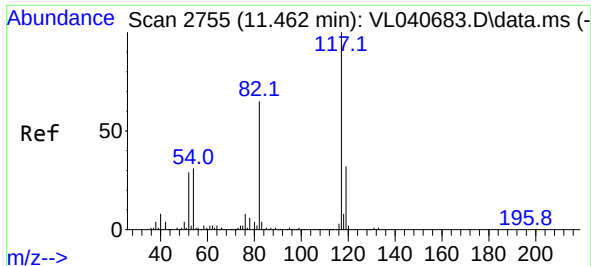
Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

62 16.5 55.8 83.8#

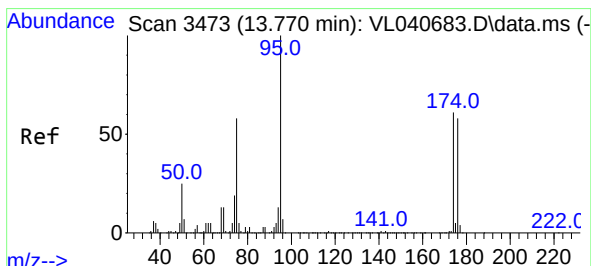
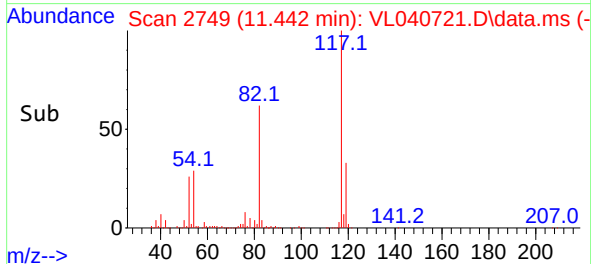
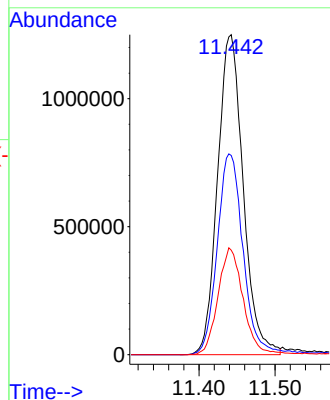
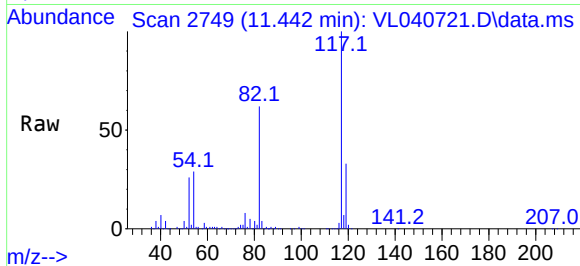




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.442 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: VL040721.D  
Acq: 27 Sep 2023 10:34

Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion:117 Resp: 2927230  
Ion Ratio Lower Upper  
117 100  
82 64.8 51.4 77.0  
119 33.1 24.7 37.1



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.134 ppbv  
RT: 13.751 min Scan# 3467  
Delta R.T. -0.035 min  
Lab File: VL040721.D  
Acq: 27 Sep 2023 10:34

Tgt Ion: 95 Resp: 2065856  
Ion Ratio Lower Upper  
95 100  
174 68.2 48.9 73.3  
175 4.7 3.5 5.3

