

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\  
 Data File : VL034852.D  
 Acq On : 9 Mar 2020 23:47  
 Operator : SY/AP  
 Sample : CAN 10281  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CAN 10281

Quant Time: Mar 11 04:50:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 09 16:42:53 2020  
 QLast Update : Mon Mar 09 16:42:53 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 893757   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2047073  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 1996435  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1595072  | 10.24    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.40% |

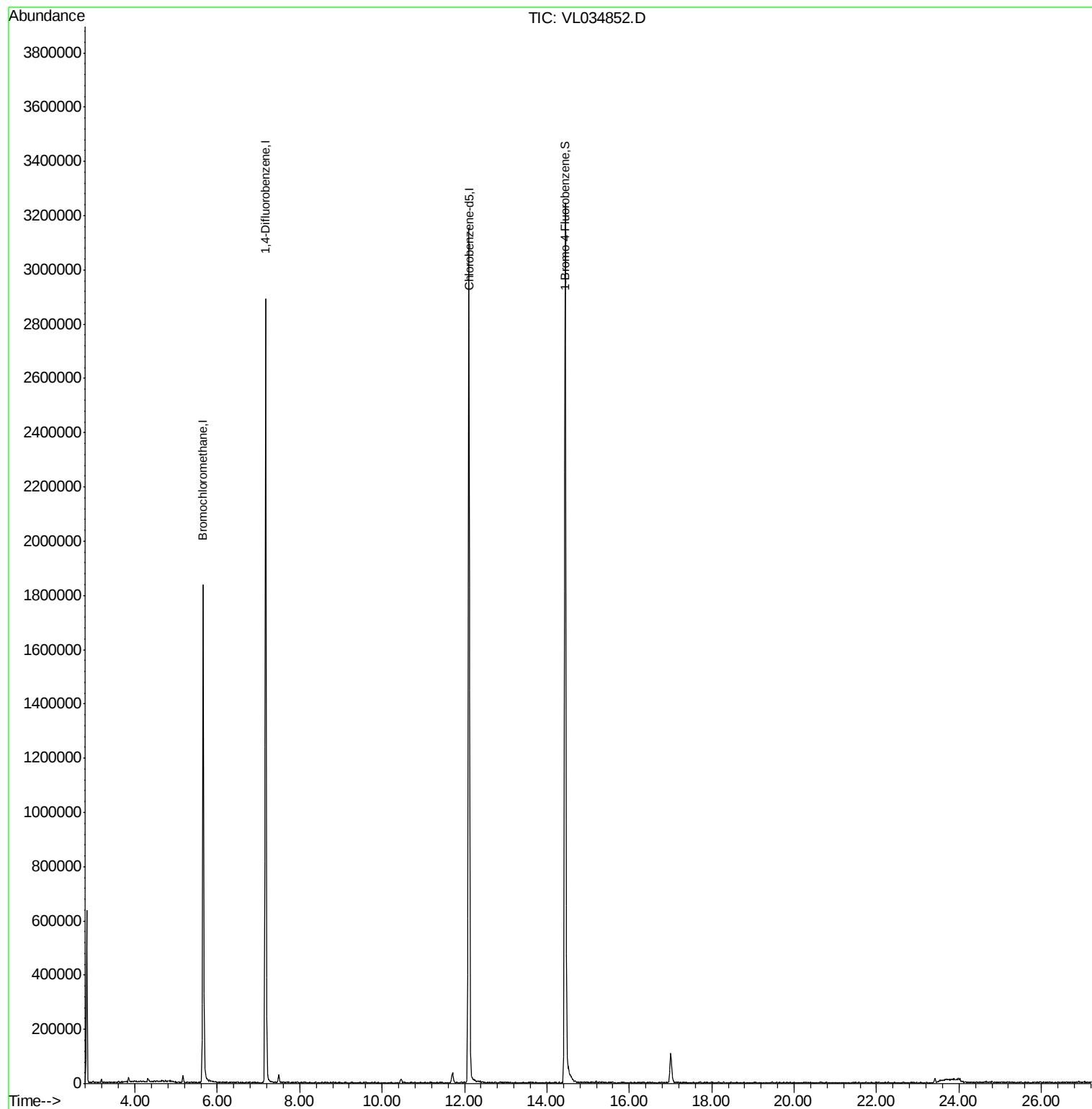
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

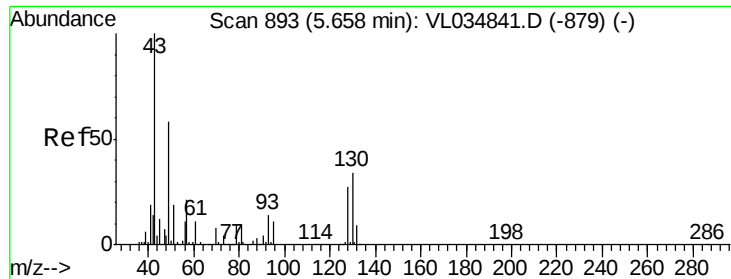
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034852.D

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Instrument :

MSVOA\_L

ClientSampleId :

CAN 10281

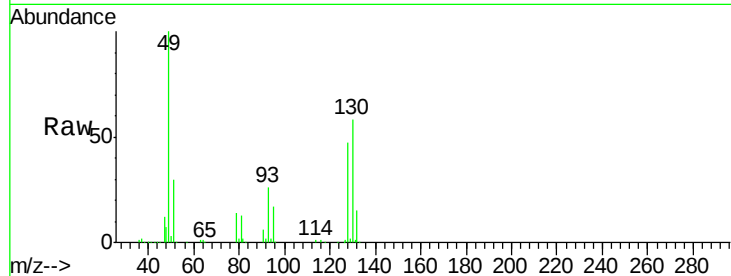
Tot Ion: 49 Resp: 893757

Ion Ratio Lower Upper

49 100

128 47.4 23.4 70.3

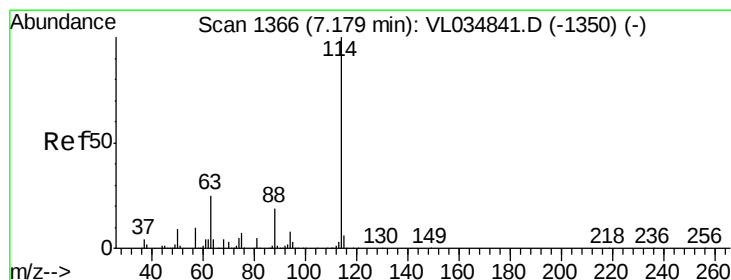
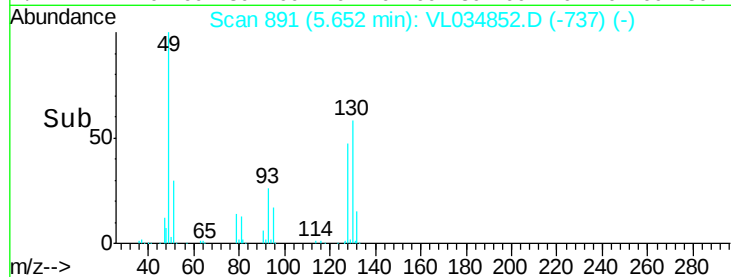
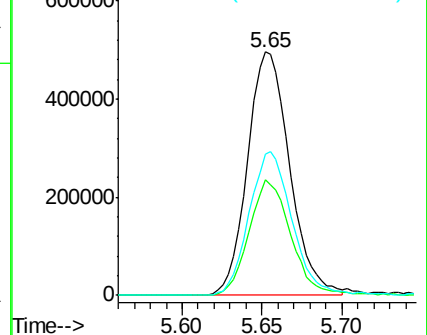
130 61.5 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL034852.D

Acq: 9 Mar 2020 23:47

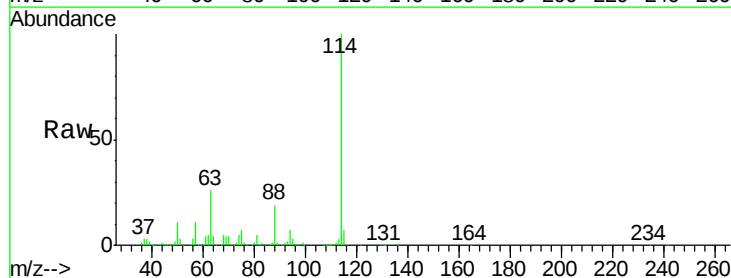
Tgt Ion: 114 Resp: 2047073

Ion Ratio Lower Upper

114 100

63 26.4 20.6 31.0

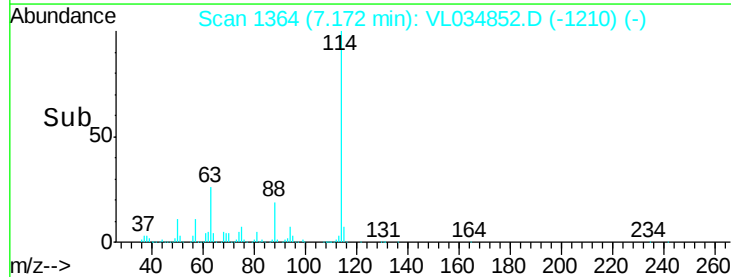
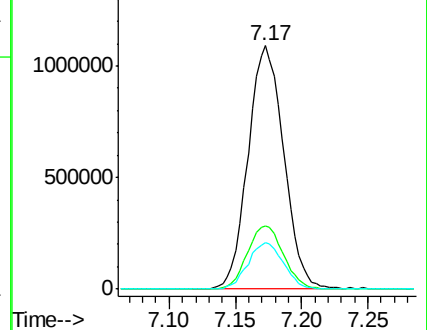
88 19.1 15.0 22.6

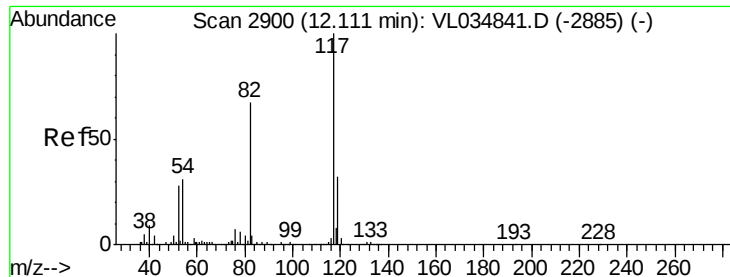


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

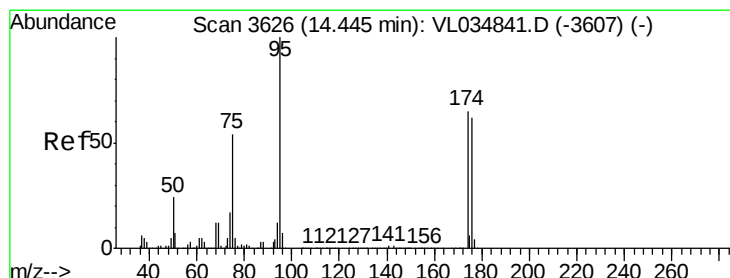
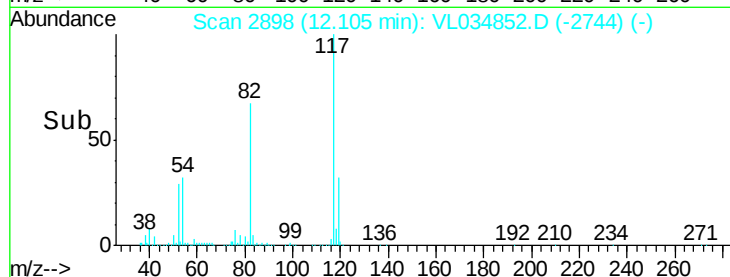
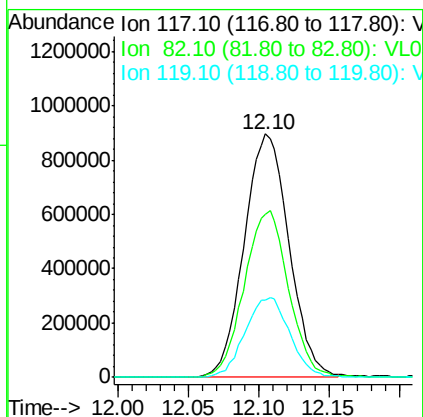
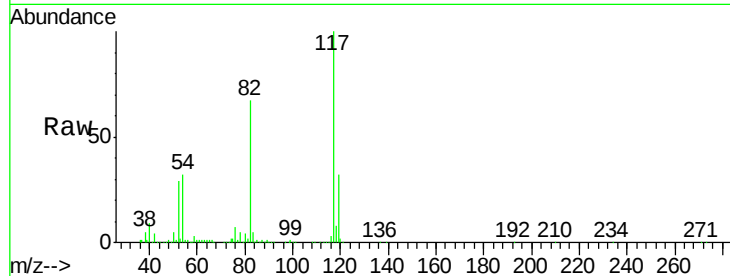




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.10 min Scan# 2898  
Delta R.T. -0.01 min  
Lab File: VL034852.D  
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Tot Ion:117 Resp: 1996435  
Ion Ratio Lower Upper  
117 100  
82 68.2 51.1 76.7  
119 33.0 27.3 40.9



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.245 ppbv  
RT: 14.44 min Scan# 3625  
Delta R.T. -0.00 min  
Lab File: VL034852.D  
Acq: 9 Mar 2020 23:47

Tgt Ion: 95 Resp: 1595072  
Ion Ratio Lower Upper  
95 100  
174 67.8 55.2 82.8  
175 5.3 4.3 6.5

