

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\  
 Data File : VL035658.D  
 Acq On : 17 Sep 2020 16:05  
 Operator : SY/AP  
 Sample : OC091620 CAN 10606  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC091620 CAN 10606

Quant Time: Sep 18 12:21:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Sep 14 15:19:50 2020  
 QLast Update : Mon Sep 14 15:19:50 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1096955  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 4272497  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 4223909  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 3093843  | 10.31    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

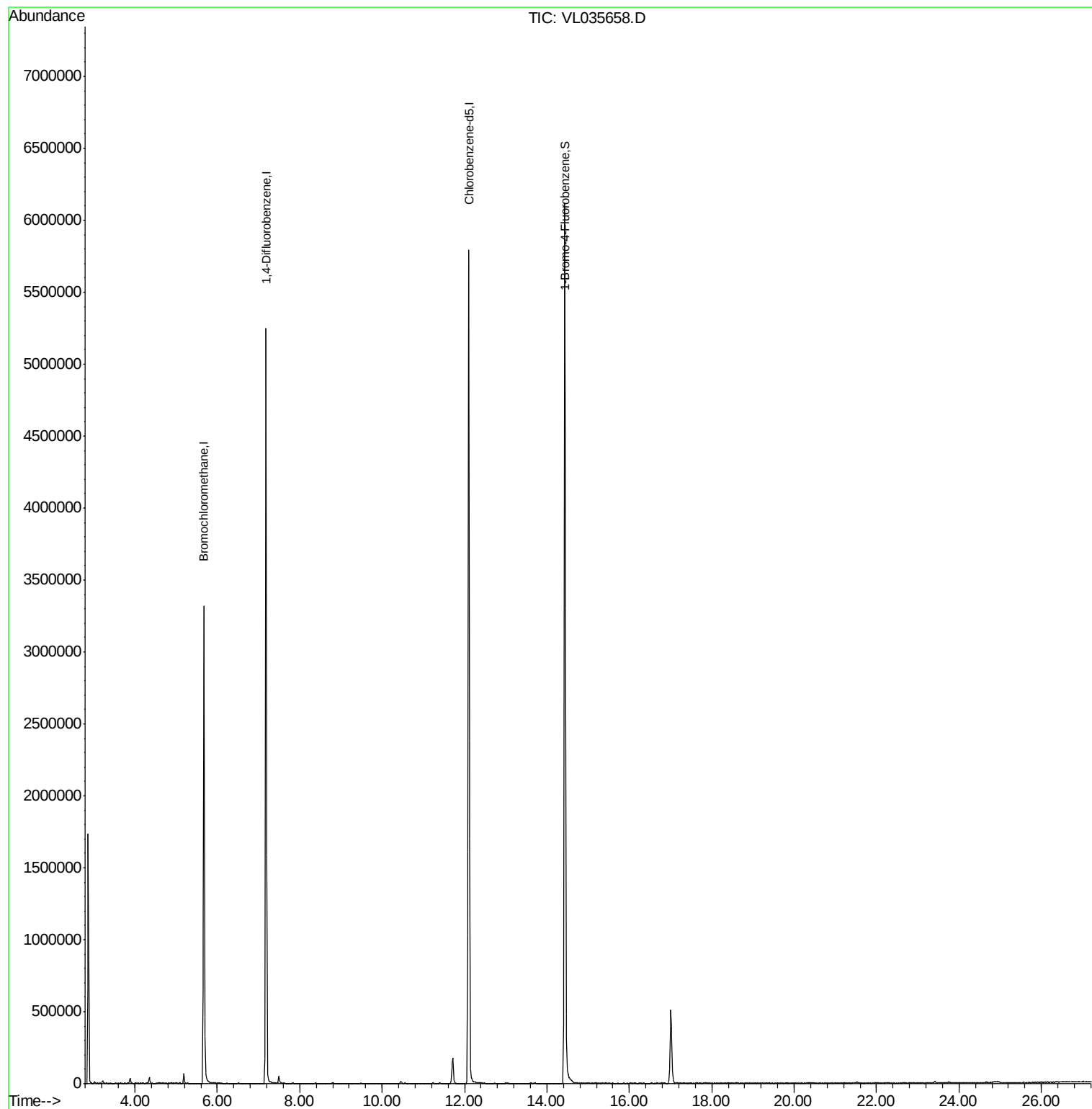
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

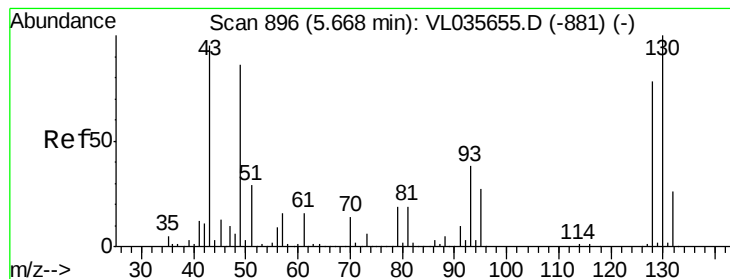
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 14 15:19:50 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035658.D

Acq: 17 Sep 2020 16:05

Instrument :

MSVOA\_L

ClientSampleId :

QC091620 CAN 10606

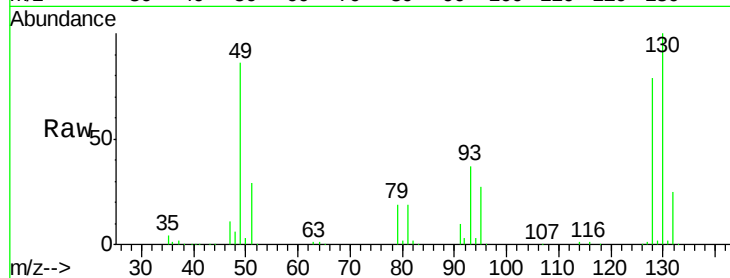
Tot Ion: 49 Resp: 1096955

Ion Ratio Lower Upper

49 100

128 89.4 50.0 150.1

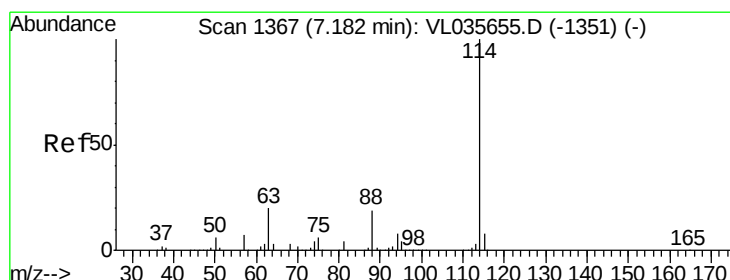
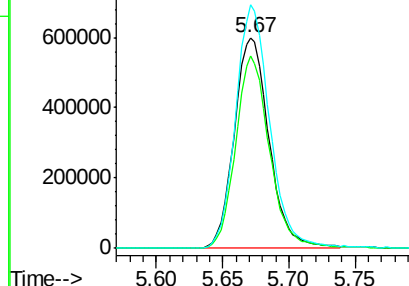
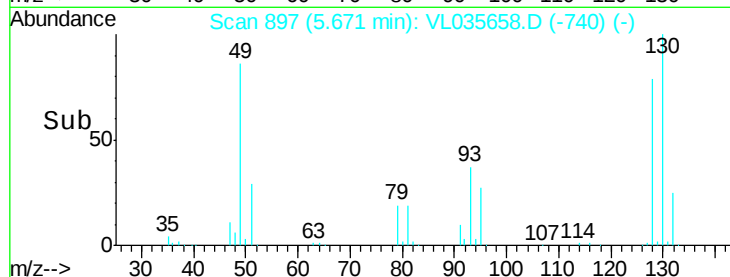
130 114.3 64.4 193.2



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: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035658.D

Acq: 17 Sep 2020 16:05

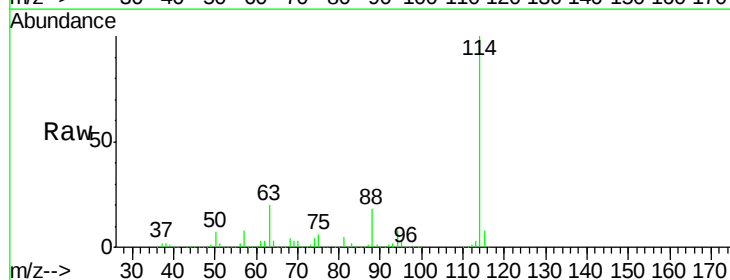
Tgt Ion: 114 Resp: 4272497

Ion Ratio Lower Upper

114 100

63 19.0 14.7 22.1

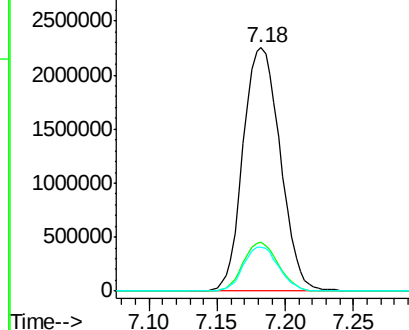
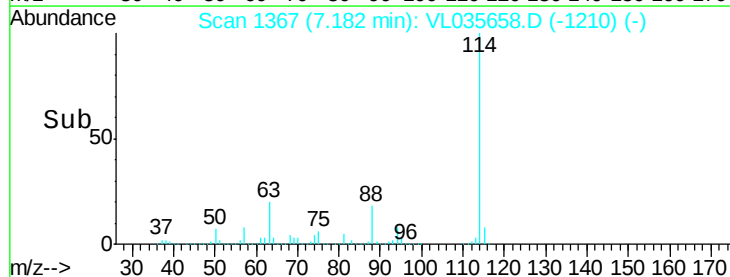
88 17.3 13.4 20.2

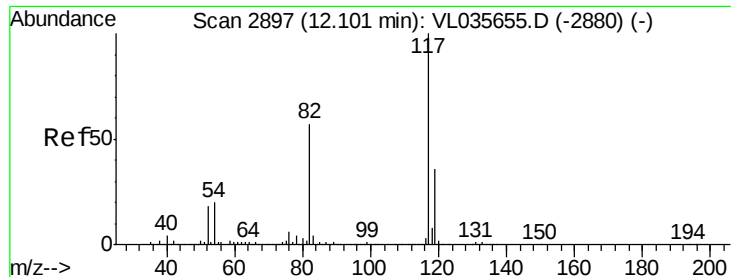


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

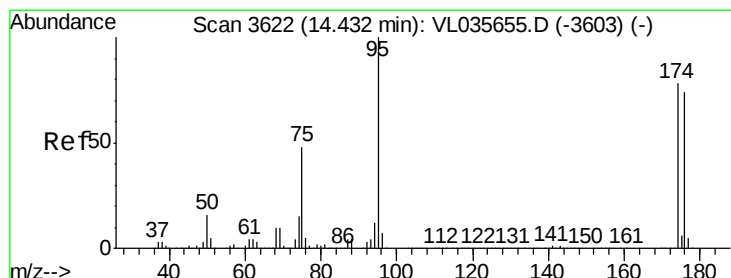
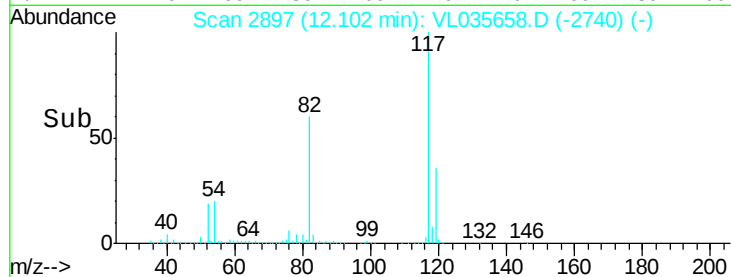
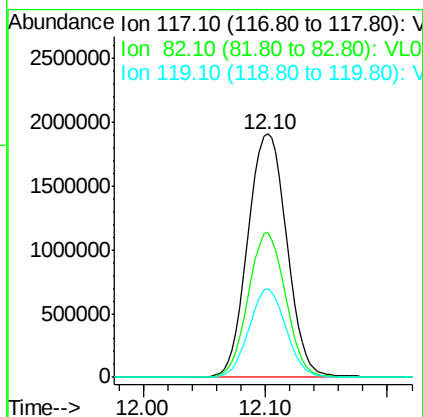
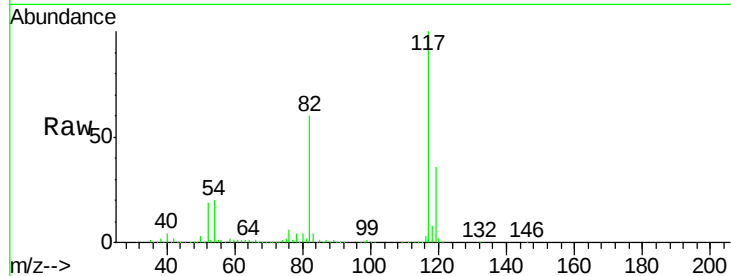




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.10 min Scan# 2897  
Delta R.T. 0.01 min  
Lab File: VL035658.D  
Acq: 17 Sep 2020 16:05

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC091620 CAN 10606

Tot Ion:117 Resp: 4223909  
Ion Ratio Lower Upper  
117 100  
82 57.5 41.6 62.4  
119 34.7 29.3 43.9



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.314 ppbv  
RT: 14.44 min Scan# 3623  
Delta R.T. 0.01 min  
Lab File: VL035658.D  
Acq: 17 Sep 2020 16:05

Tgt Ion: 95 Resp: 3093843  
Ion Ratio Lower Upper  
95 100  
174 79.6 69.6 104.4  
175 5.7 5.1 7.7

