

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\  
Data File : VL034851.D  
Acq On : 9 Mar 2020 23:06  
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 04:49:38 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   | 917875   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2058675  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 1991621  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1580727  | 10.18    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.80% |

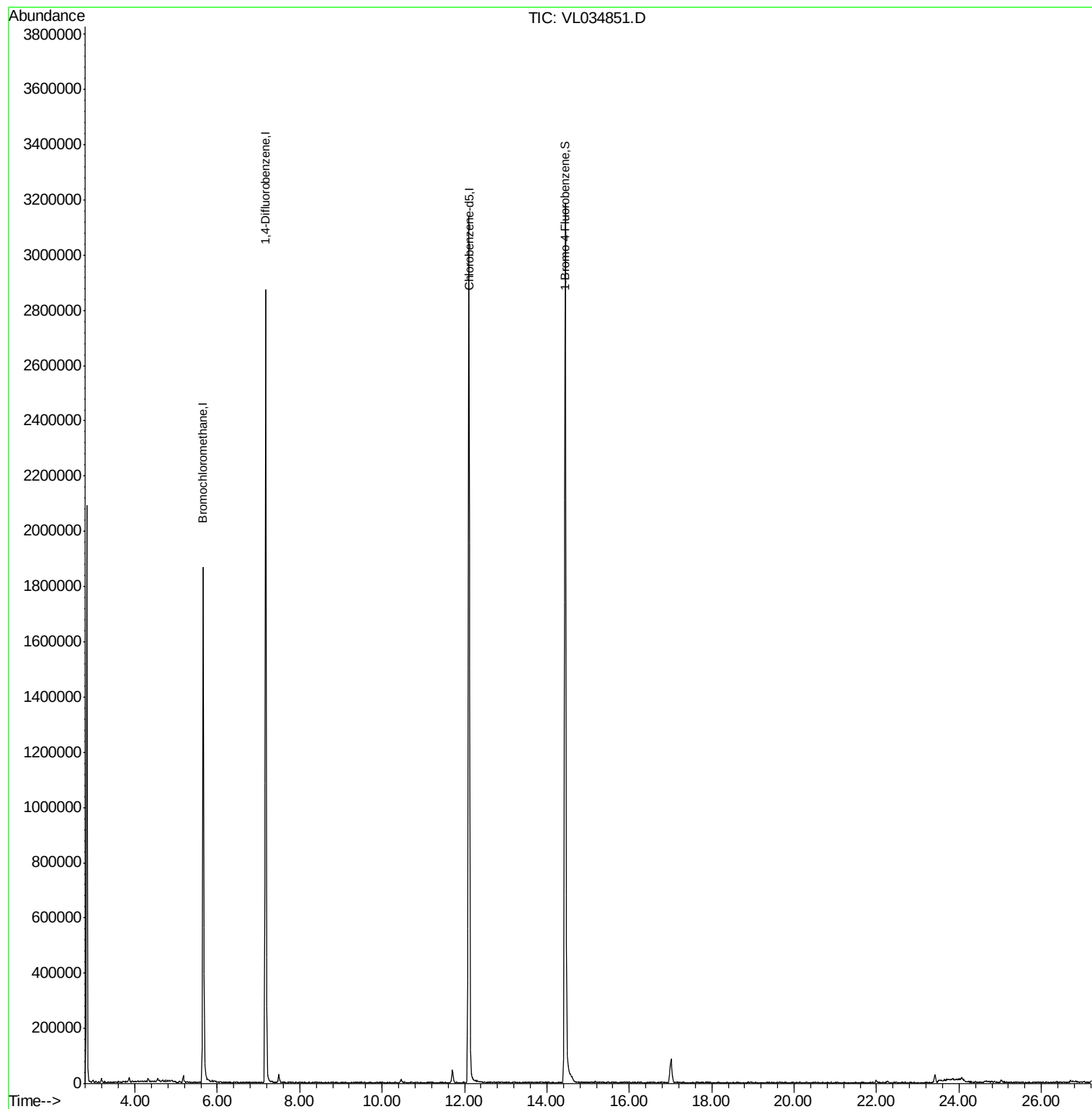
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

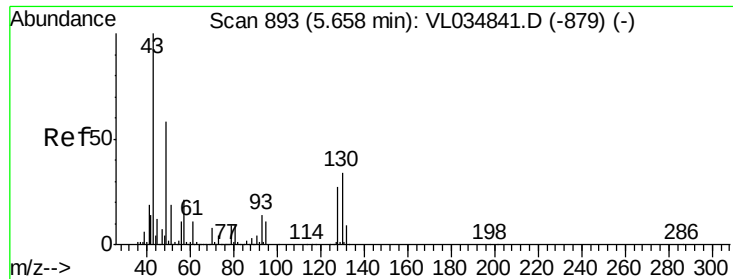
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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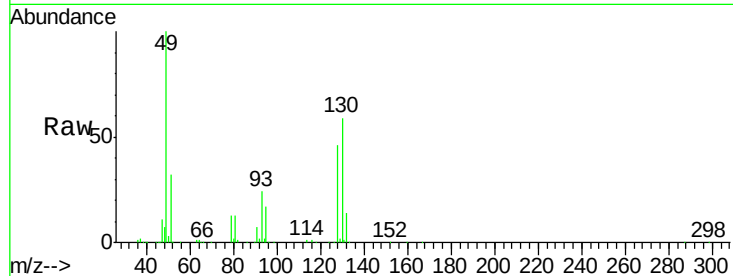
Tot Ion: 49 Resp: 917875

Ion Ratio Lower Upper

49 100

128 46.6 23.4 70.3

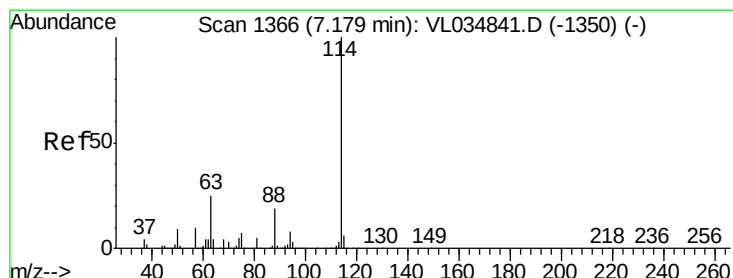
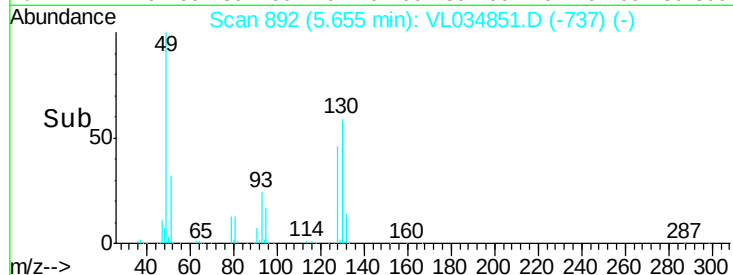
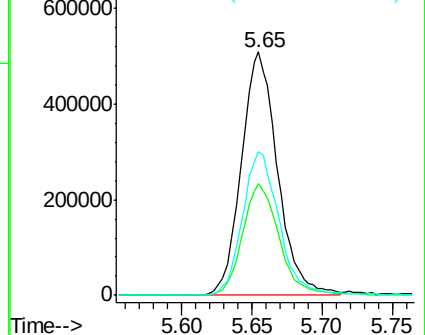
130 60.4 30.0 90.0



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: VL034851.D

Acq: 9 Mar 2020 23:06

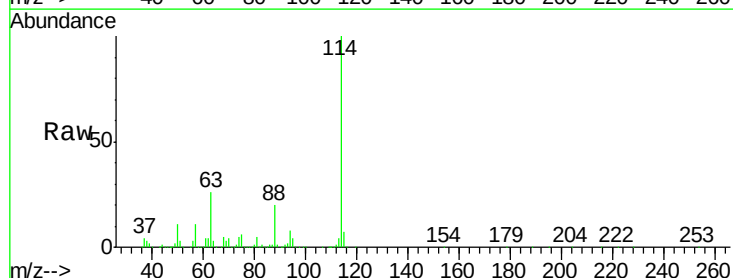
Tgt Ion: 114 Resp: 2058675

Ion Ratio Lower Upper

114 100

63 26.1 20.6 31.0

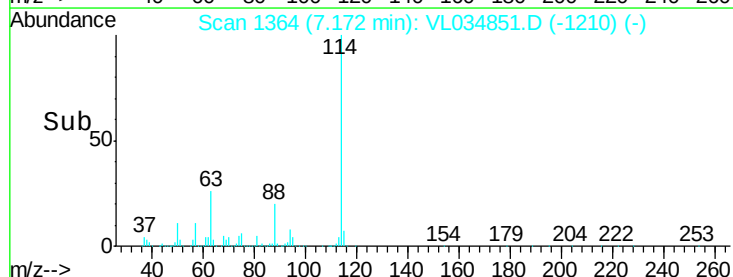
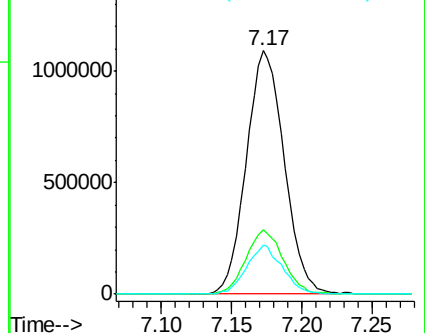
88 18.8 15.0 22.6

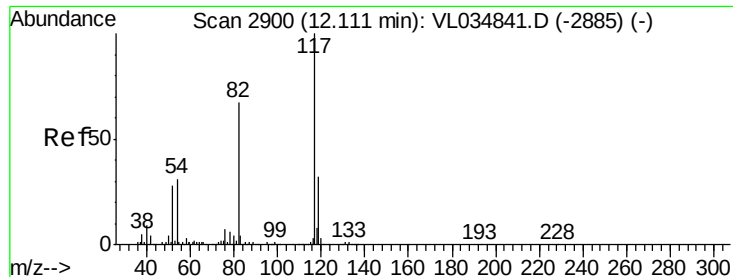


Abundance Ion 114.10 (113.80 to 114.80): VL0

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: 12.11 min Scan# 2899

Delta R.T. -0.00 min

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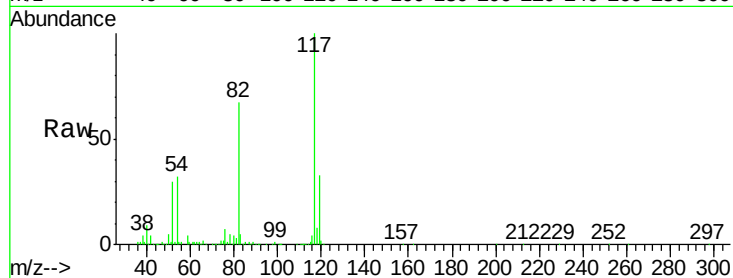
Tot Ion:117 Resp: 1991621

Ion Ratio Lower Upper

117 100

82 67.8 51.1 76.7

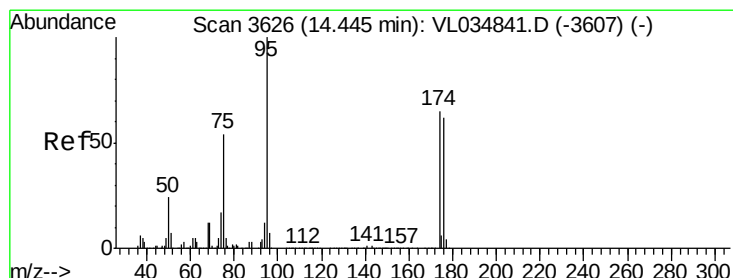
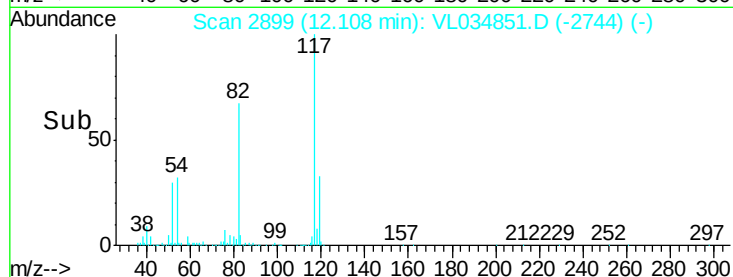
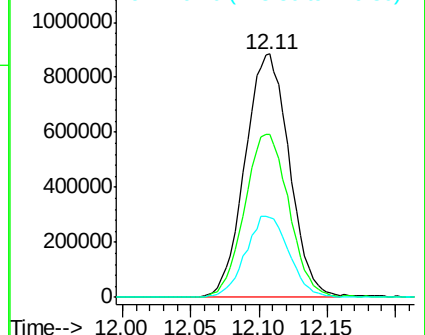
119 33.0 27.3 40.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.177 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL034851.D

Acq: 9 Mar 2020 23:06

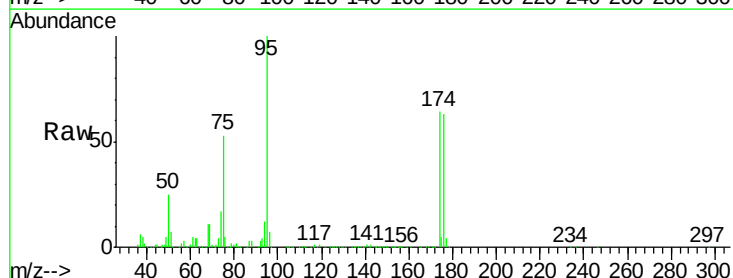
Tgt Ion: 95 Resp: 1580727

Ion Ratio Lower Upper

95 100

174 68.7 55.2 82.8

175 5.4 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

