

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\  
Data File : VL037866.D  
Acq On : 18 Oct 2021 23:44  
Operator : SY/AP  
Sample : CAN 10333  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10333

Quant Time: Oct 19 12:02:41 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 04 17:43:54 2021  
QLast Update : Mon Oct 04 17:43:54 2021  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1185017  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3447838  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2885864  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1992371  | 9.87     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.70% |

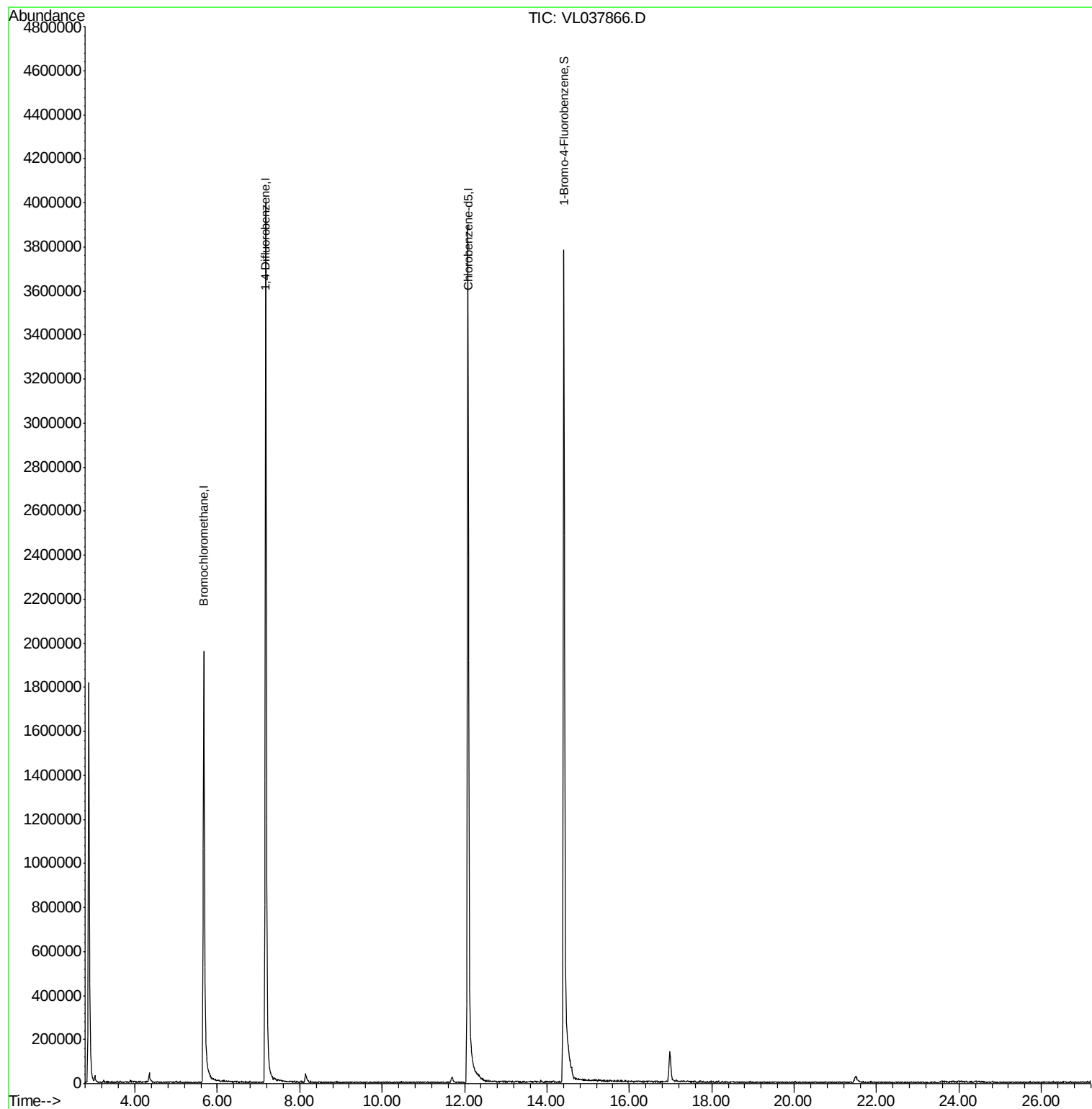
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

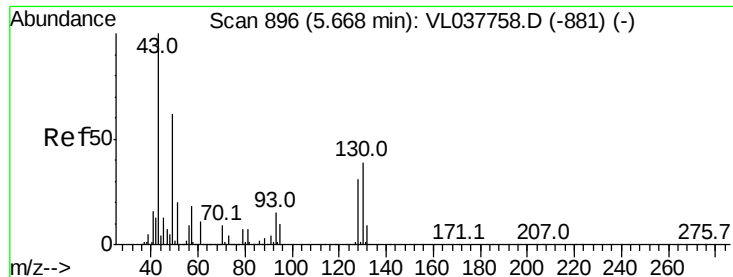
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 23:44

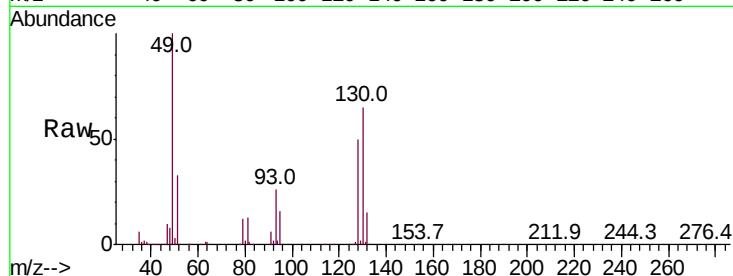
Tot Ion: 49 Resp: 1185017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 53.1  | 27.1  | 81.3  |
| 130 | 68.9  | 33.2  | 99.6  |

49 100

128 53.1 27.1 81.3

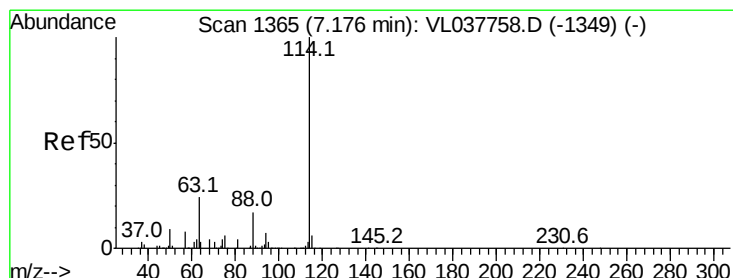
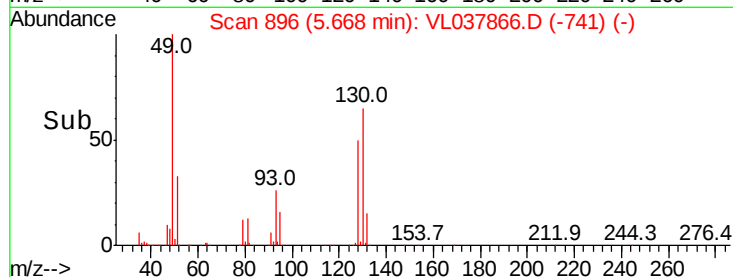
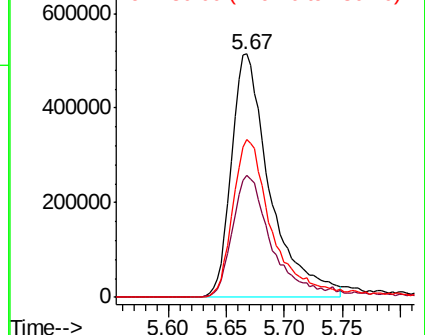
130 68.9 33.2 99.6



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. -0.00 min

Lab File: VL037866.D

Acq: 18 Oct 2021 23:44

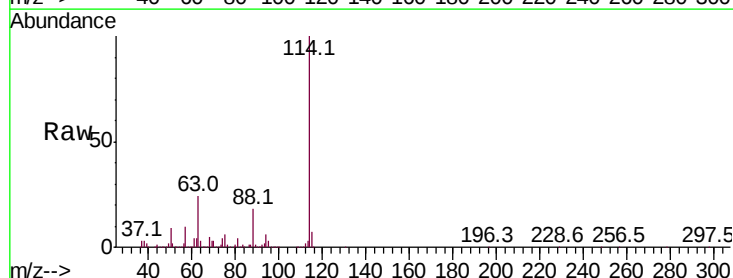
Tgt Ion: 114 Resp: 3447838

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.7  | 19.4  | 29.2  |
| 88  | 17.8  | 14.4  | 21.6  |

114 100

63 23.7 19.4 29.2

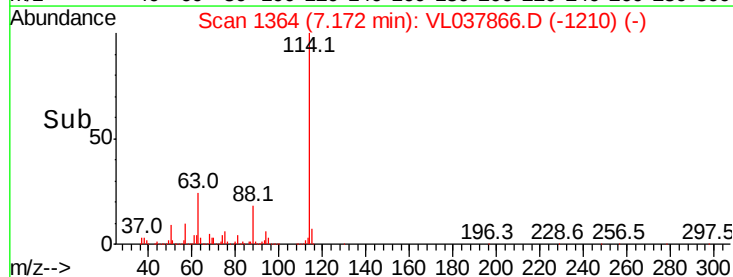
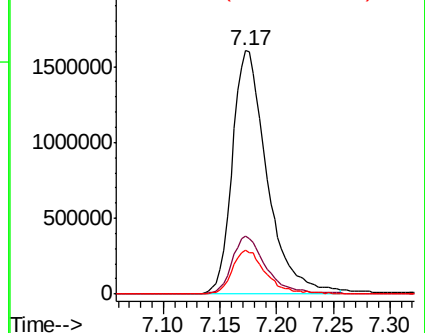
88 17.8 14.4 21.6

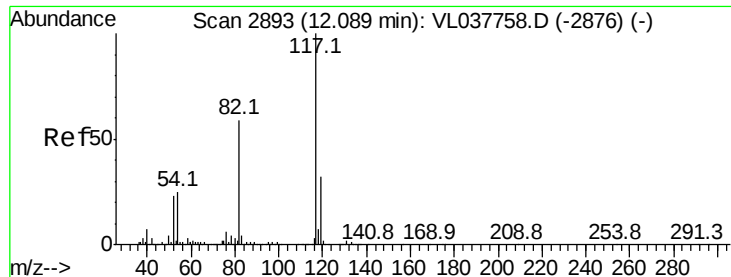


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

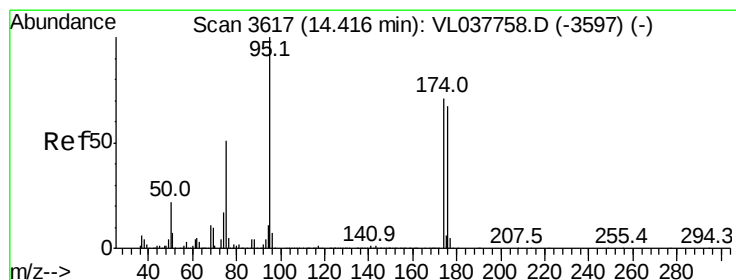
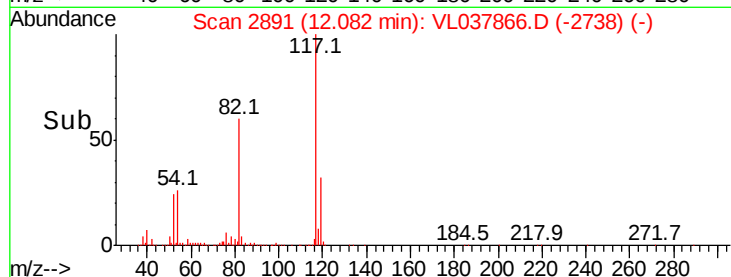
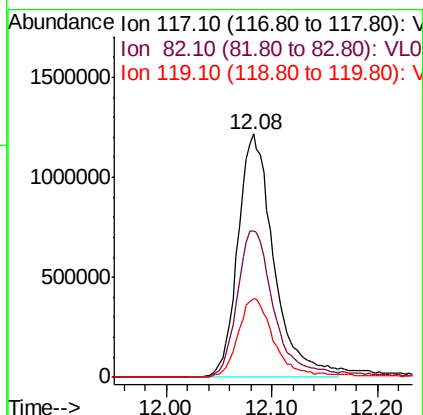
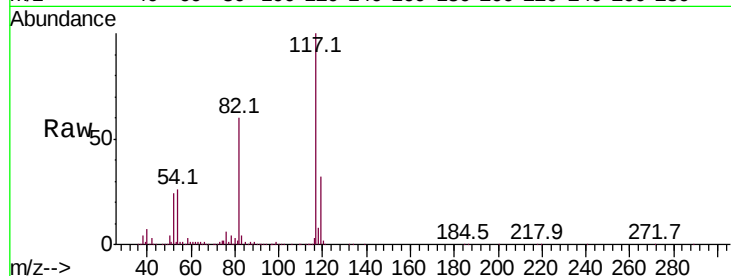
Ion 88.10 (87.80 to 88.80): VL0





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 18 Oct 2021 23:44

Tot Ion: 117 Resp: 2885864  
Ion Ratio Lower Upper  
117 100  
82 66.0 52.2 78.2  
119 33.0 26.0 39.0



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.873 ppbv  
RT: 14.41 min Scan# 3615  
Delta R.T.: -0.01 min  
Lab File: VL037866.D  
Acq: 18 Oct 2021 23:44

Tgt Ion: 95 Resp: 1992371  
Ion Ratio Lower Upper  
95 100  
174 76.2 57.8 86.6  
175 5.5 4.7 7.1

