

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL092721\  
Data File : VL037696.D  
Acq On : 28 Sep 2021 1:02  
Operator : SY/AP  
Sample : QC092221 CAN 10492  
Misc : 400mL/MSVOA\_L  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC092221 CAN 10492

Quant Time: Sep 28 09:12:28 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091621AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Sep 16 13:42:46 2021  
QLast Update : Thu Sep 16 13:42:46 2021  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1508919  | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 4344902  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3689877  | 10.00 | ppbv  | 0.02     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2548448  | 9.56     | ppbv | 0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 95.60% |

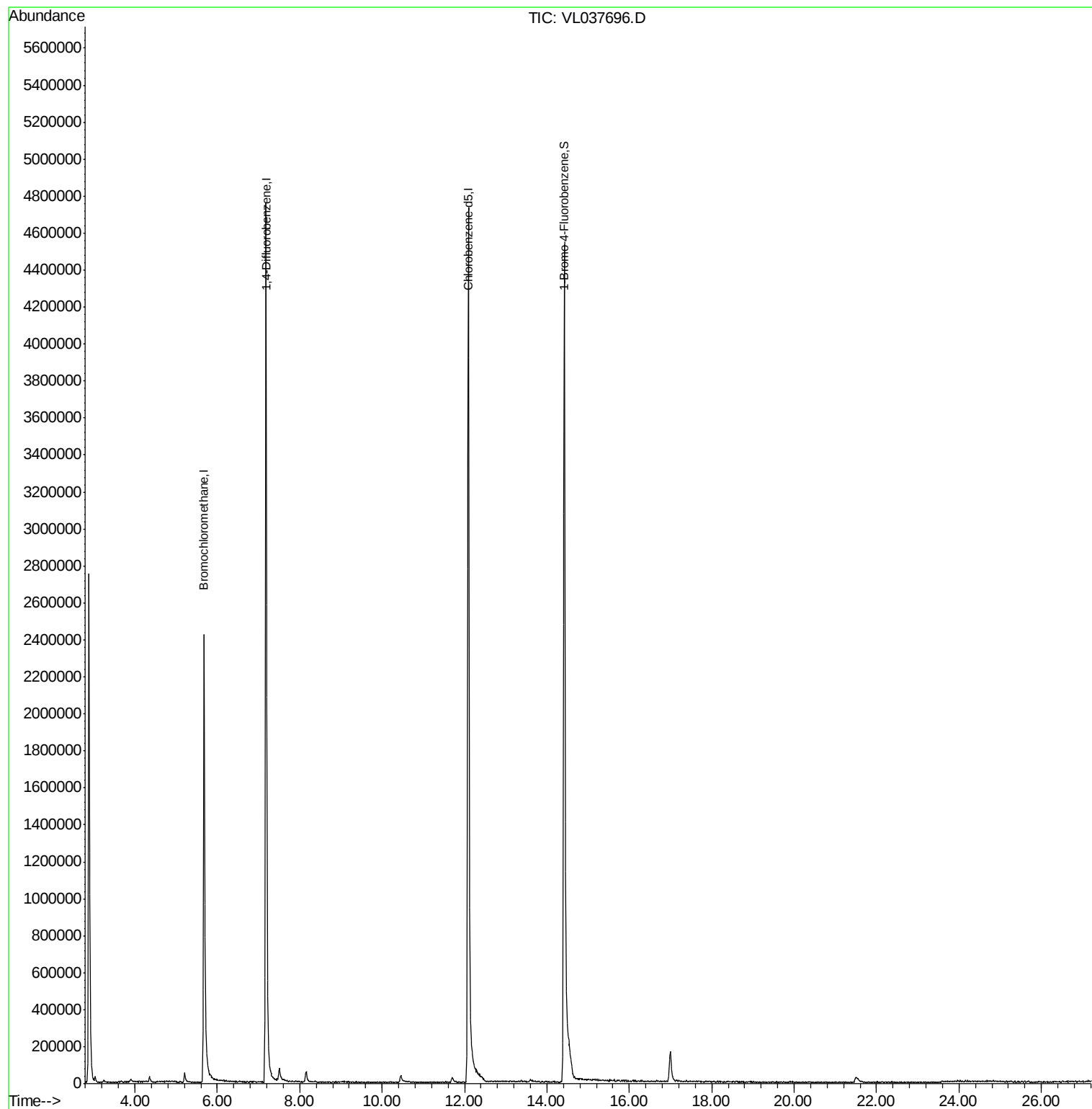
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

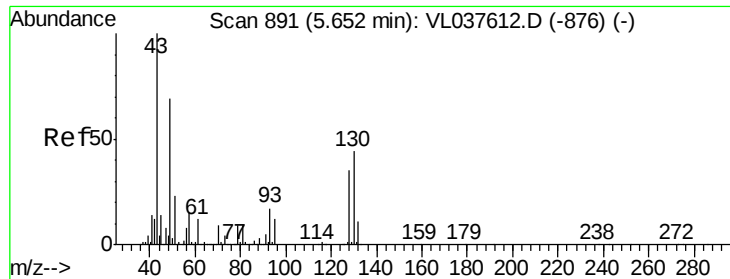
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037696.D

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Instrument :

MSVOA\_L

ClientSampleId :

QC092221 CAN 10492

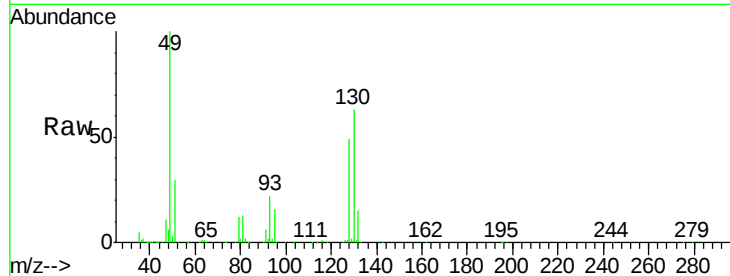
Tgt Ion: 49 Resp: 1508919

Ion Ratio Lower Upper

49 100

128 51.3 27.9 83.6

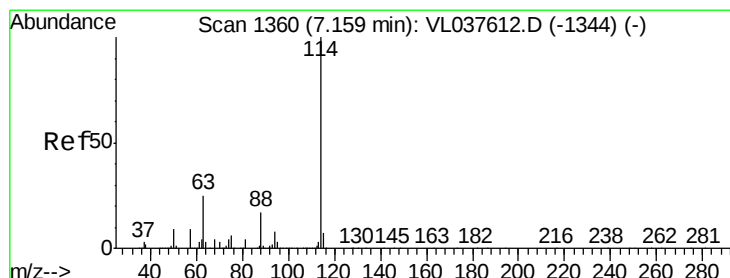
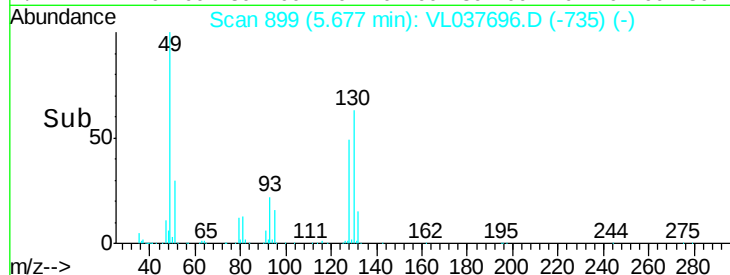
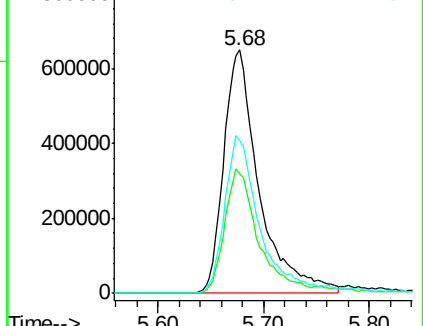
130 65.8 33.9 101.7



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: 7.19 min Scan# 1368

Delta R.T. 0.03 min

Lab File: VL037696.D

Acq: 28 Sep 2021 1:02

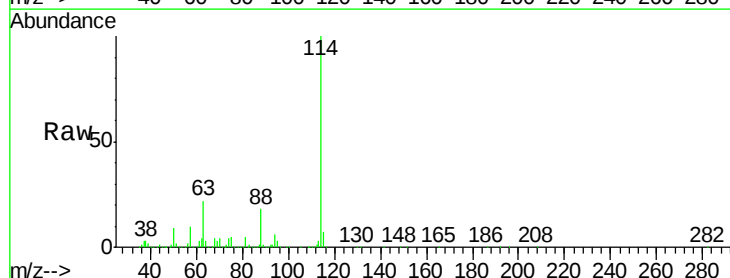
Tgt Ion: 114 Resp: 4344902

Ion Ratio Lower Upper

114 100

63 24.1 19.6 29.4

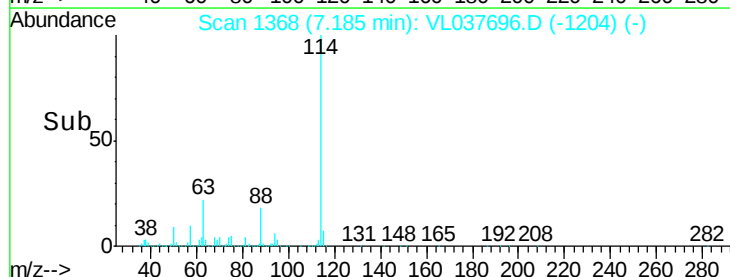
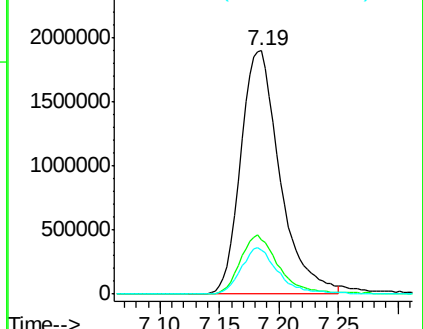
88 18.5 14.2 21.4

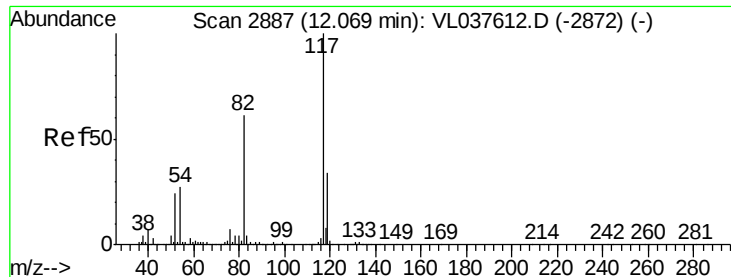


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

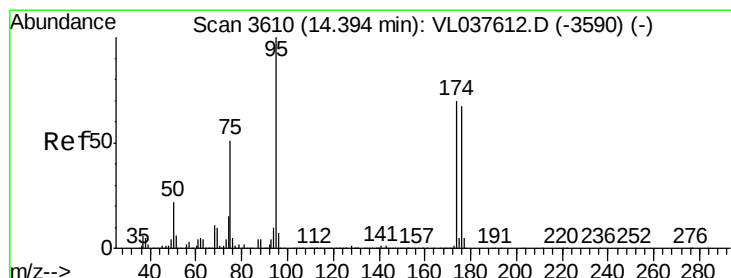
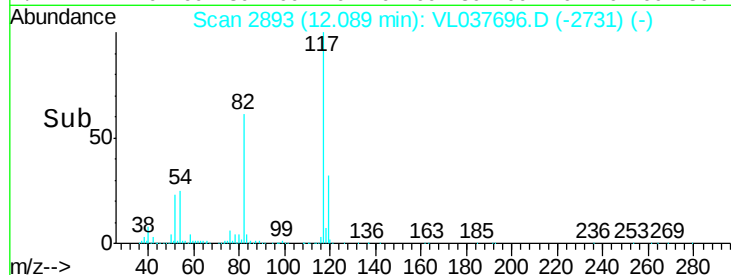
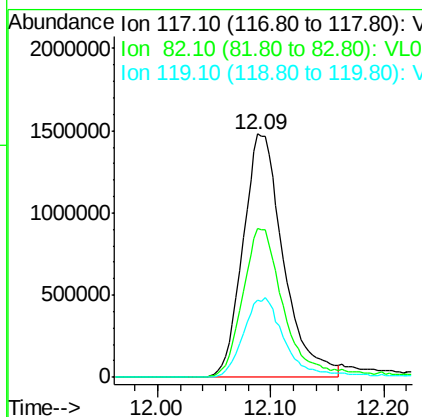
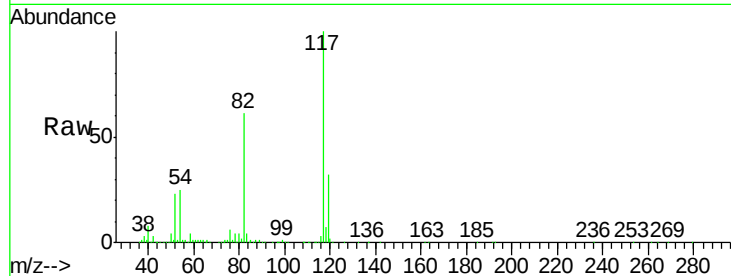




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min Scan# 2893  
Delta R.T. 0.02 min  
Lab File: VL037696.D  
Acq: 28 Sep 2021 1:02

Instrument :  
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ClientSampleId :  
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Tgt Ion: 117 Resp: 3689877  
Ion Ratio Lower Upper  
117 100  
82 64.3 50.6 75.8  
119 34.3 26.2 39.2



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.557 ppbv  
RT: 14.42 min Scan# 3618  
Delta R.T. 0.03 min  
Lab File: VL037696.D  
Acq: 28 Sep 2021 1:02

Tgt Ion: 95 Resp: 2548448  
Ion Ratio Lower Upper  
95 100  
174 80.5 56.3 84.5  
175 6.4 4.4 6.6

