

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\  
Data File : VL036463.D  
Acq On : 24 Mar 2021 11:28  
Operator :  
Sample : OC031821 CAN 10044  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Mar 25 08:20:51 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Mar 03 14:18:24 2021  
QLast Update : Wed Mar 03 14:18:24 2021  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1583074  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3516028  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3263463  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2652535  | 9.88     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.80% |

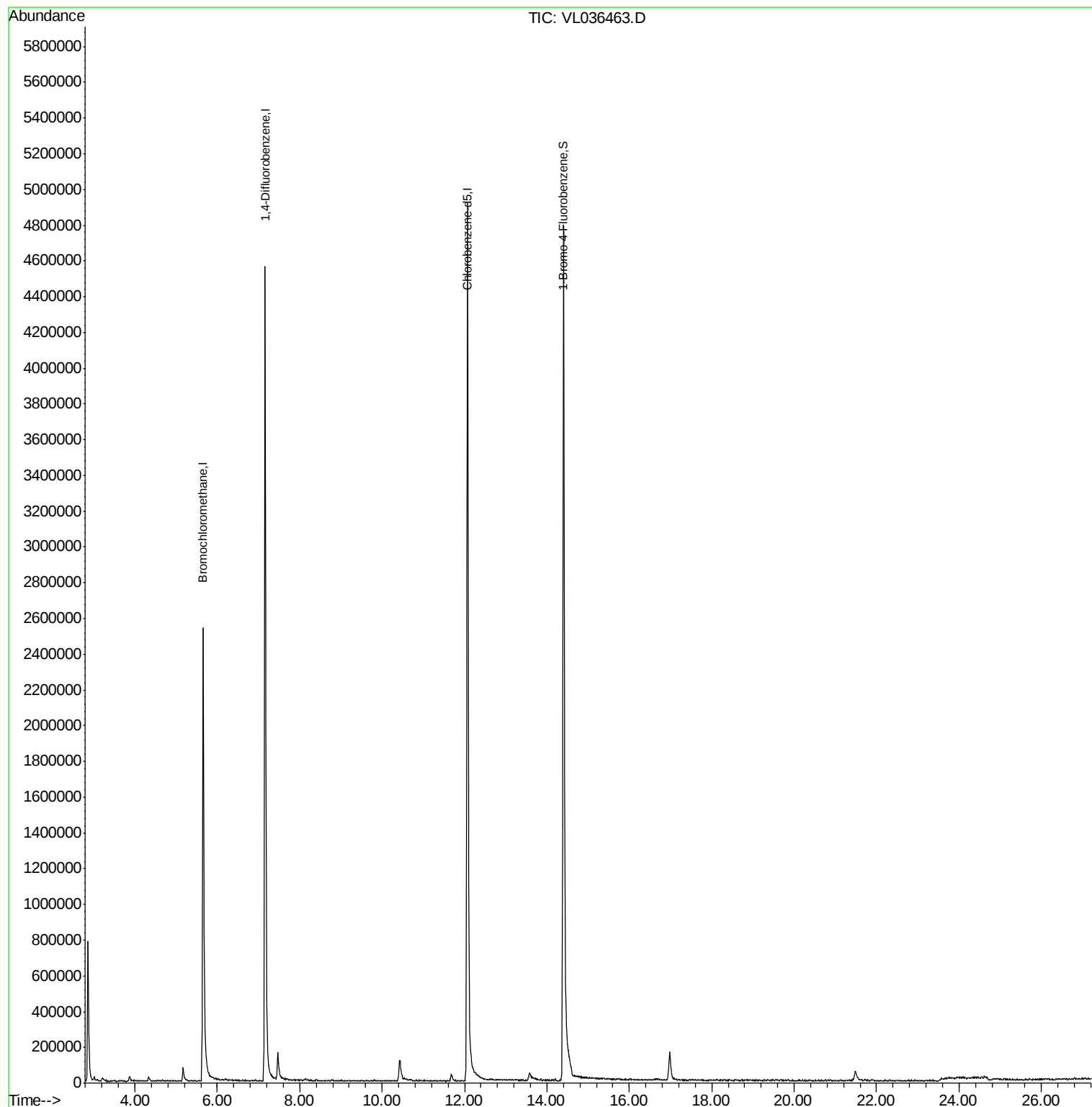
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

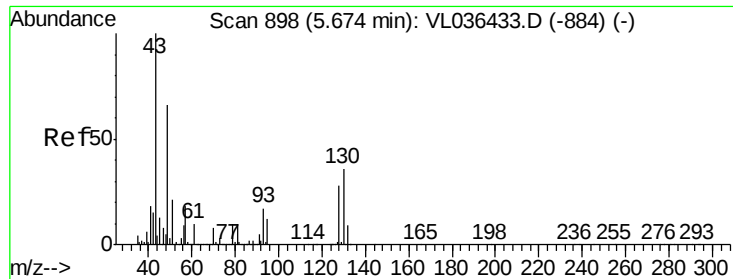
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 11:28

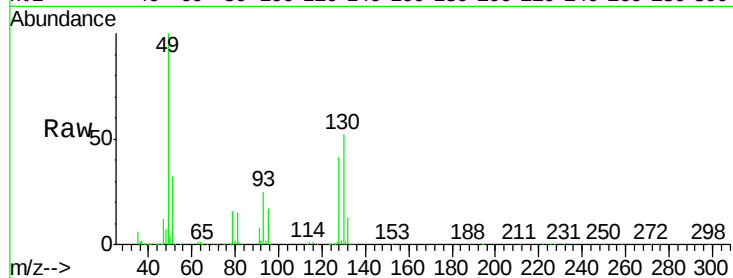
Tot Ion: 49 Resp: 1583074

Ion Ratio Lower Upper

49 100

128 43.5 22.4 67.2

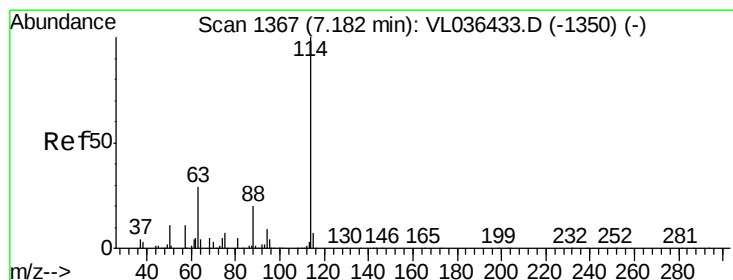
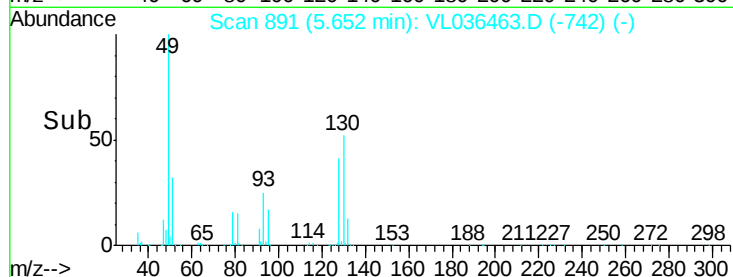
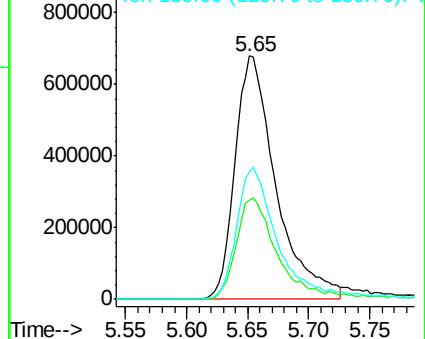
130 56.5 28.0 84.0



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: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL036463.D

Acq: 24 Mar 2021 11:28

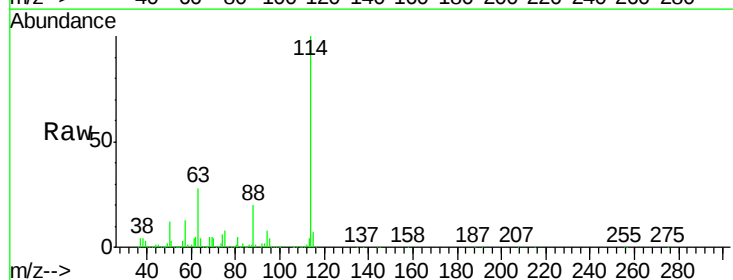
Tgt Ion: 114 Resp: 3516028

Ion Ratio Lower Upper

114 100

63 29.5 23.3 34.9

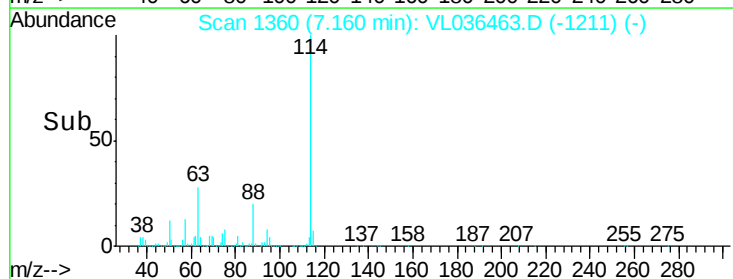
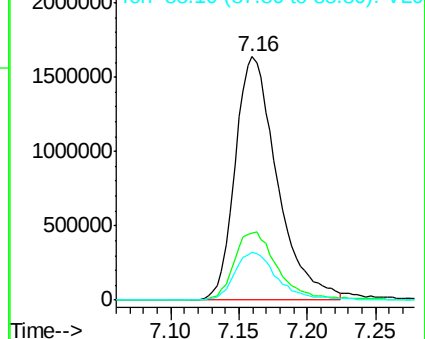
88 20.0 15.6 23.4

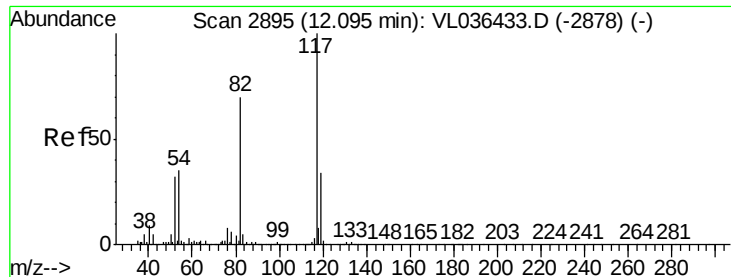


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

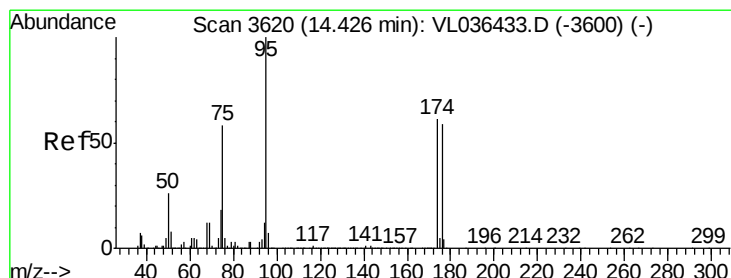
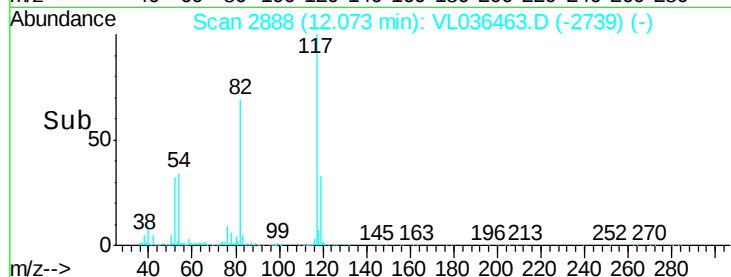
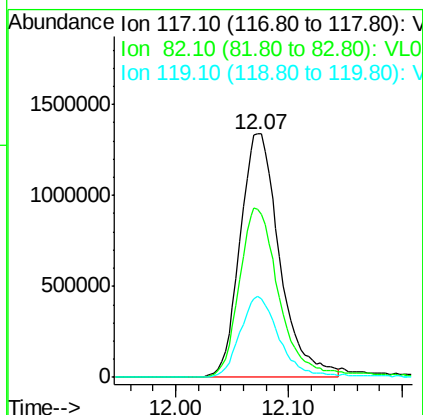
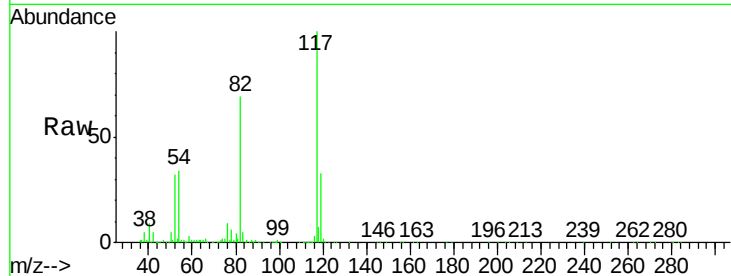
Ion 88.10 (87.80 to 88.80): VL0





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.07 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
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Tot Ion: 117 Resp: 3263463  
Ion Ratio Lower Upper  
117 100  
82 72.2 56.5 84.7  
119 33.5 27.0 40.4



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.884 ppbv  
RT: 14.40 min Scan# 3613  
Delta R.T. -0.02 min  
Lab File: VL036463.D  
Acq: 24 Mar 2021 11:28

Tgt Ion: 95 Resp: 2652535  
Ion Ratio Lower Upper  
95 100  
174 64.8 51.0 76.4  
175 4.6 3.8 5.6

