

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\  
Data File : VL038529.D  
Acq On : 4 Mar 2022 1:04  
Operator : SY/AP  
Sample : CAN 10599  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10599

Quant Time: Mar 04 06:45:07 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
QLast Update : Tue Feb 22 19:45:51 2022  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 811344   | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 1789157  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.04 | 117  | 1579860  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.37  | 95    | 1304537  | 9.98     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.80% |

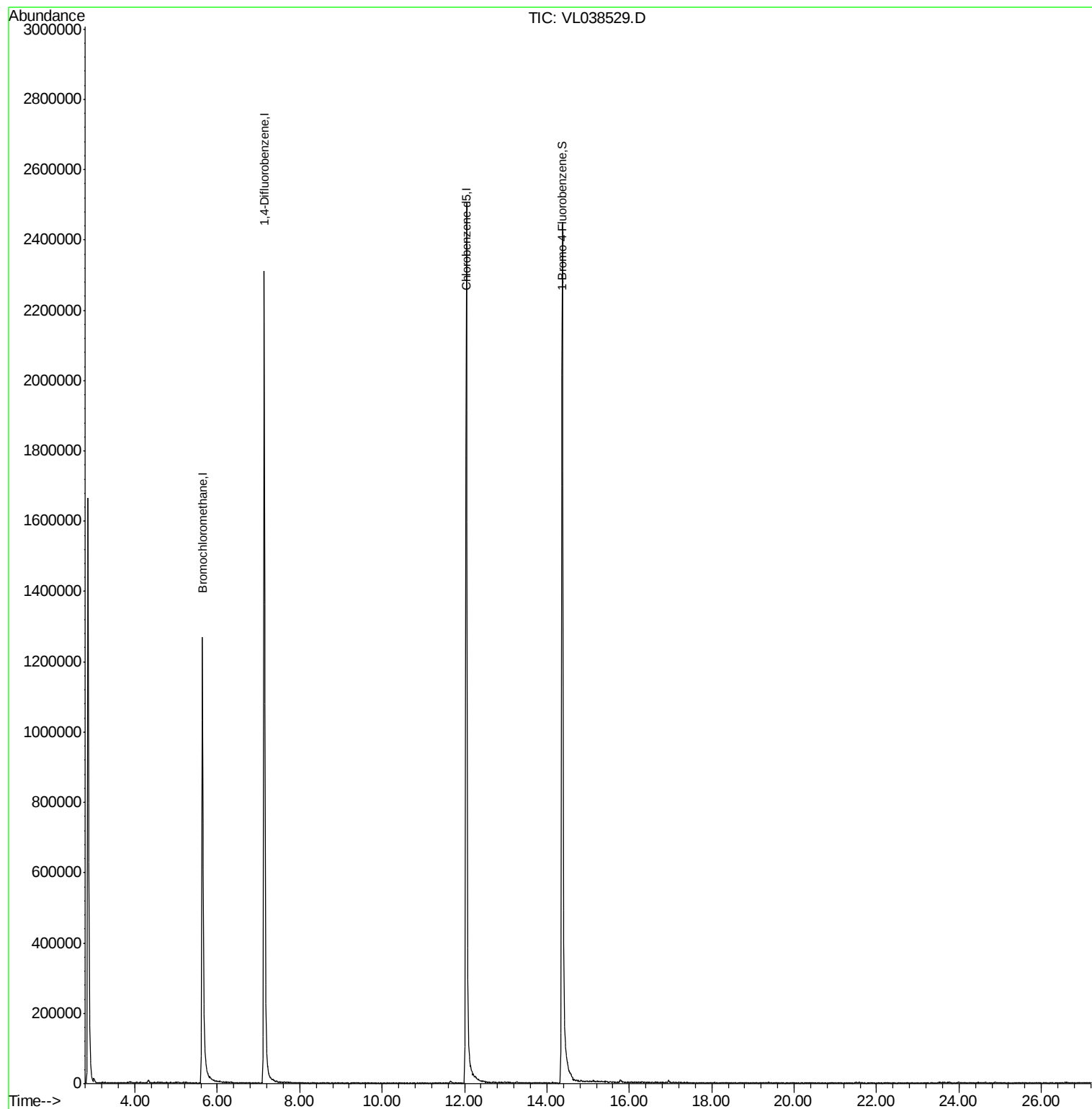
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

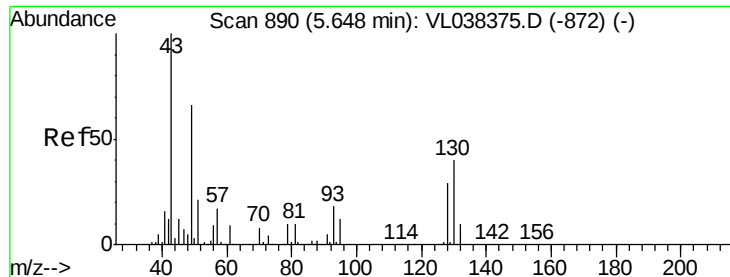
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 1:04 CAN 10599

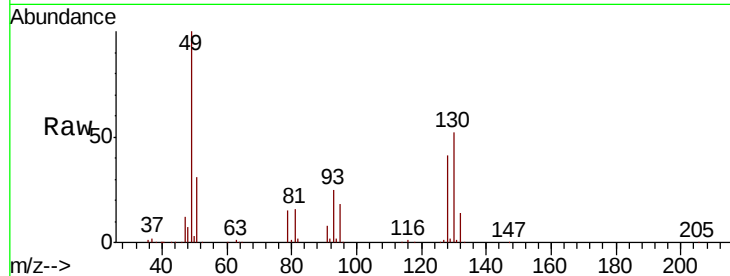
Tot Ion: 49 Resp: 811344

Ion Ratio Lower Upper

49 100

128 43.9 24.3 72.9

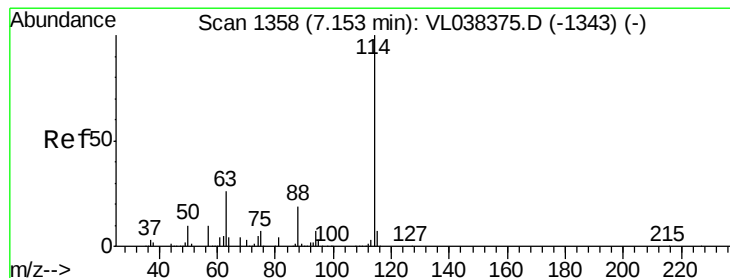
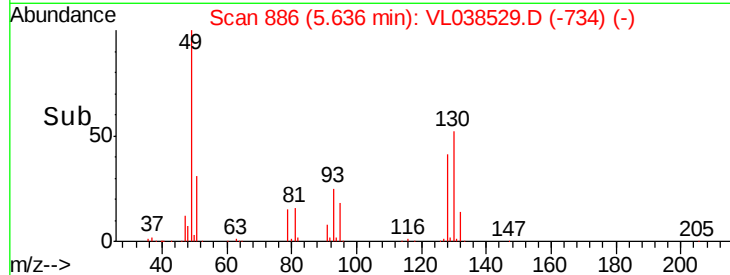
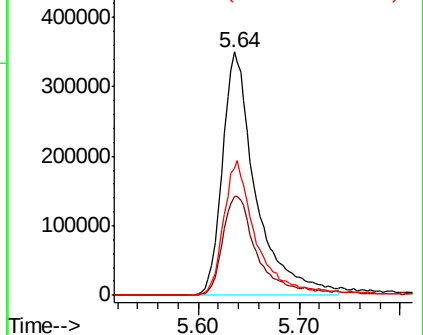
130 55.3 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL038529.D

Acq: 4 Mar 2022 1:04

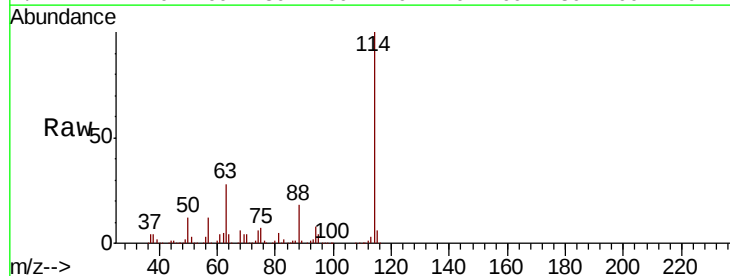
Tgt Ion: 114 Resp: 1789157

Ion Ratio Lower Upper

114 100

63 29.1 22.2 33.2

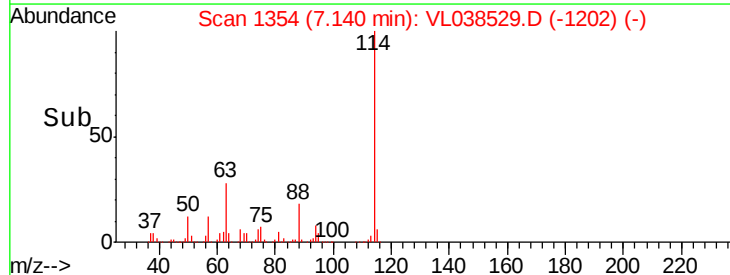
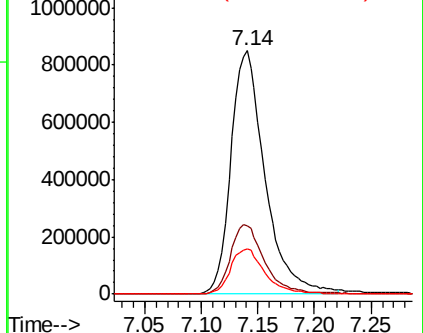
88 19.2 15.2 22.8

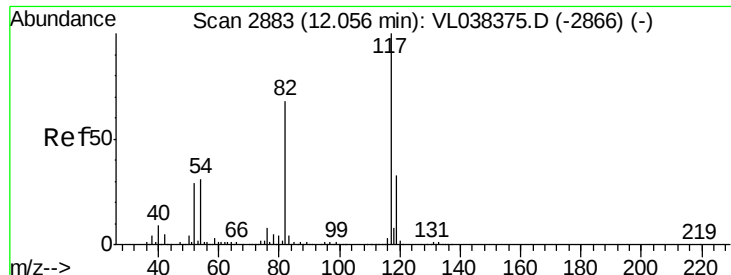


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

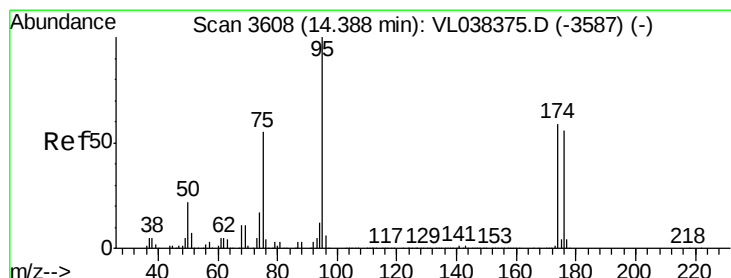
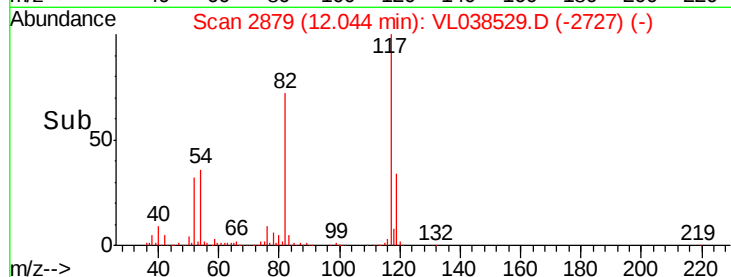
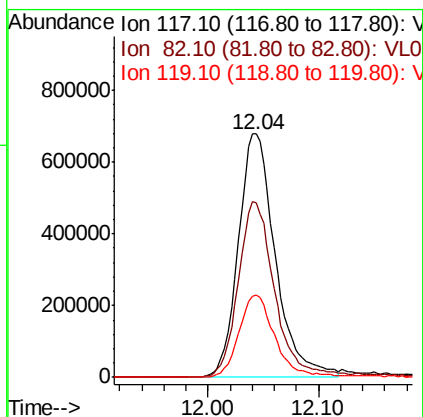
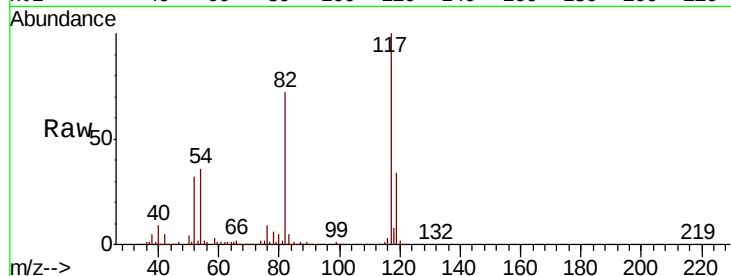
Ion 88.10 (87.80 to 88.80): VL0





#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.04 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 4 Mar 2022 1:04

Tot Ion: 117 Resp: 1579860  
 Ion Ratio Lower Upper  
 117 100  
 82 74.4 54.9 82.3  
 119 33.7 46.1 69.1#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.980 ppbv  
 RT: 14.37 min Scan# 3603  
 Delta R.T.: -0.02 min  
 Lab File: VL038529.D  
 Acq: 4 Mar 2022 1:04

Tgt Ion: 95 Resp: 1304537  
 Ion Ratio Lower Upper  
 95 100  
 174 59.4 49.0 73.4  
 175 4.3 3.6 5.4

