

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\  
Data File : VL036207.D  
Acq On : 24 Dec 2020 00:51  
Operator : SY/AP  
Sample : QC122220 CAN 10601  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC122220 CAN 10601

Quant Time: Dec 25 23:38:05 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Mon Dec 07 16:56:49 2020  
QLast Update : Mon Dec 07 16:56:49 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1373390  | 10.00 | ppbv  | -0.04    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 2513170  | 10.00 | ppbv  | -0.05    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 2267067  | 10.00 | ppbv  | -0.05    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1971121  | 10.95    | ppbv | -0.05   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 109.50% |

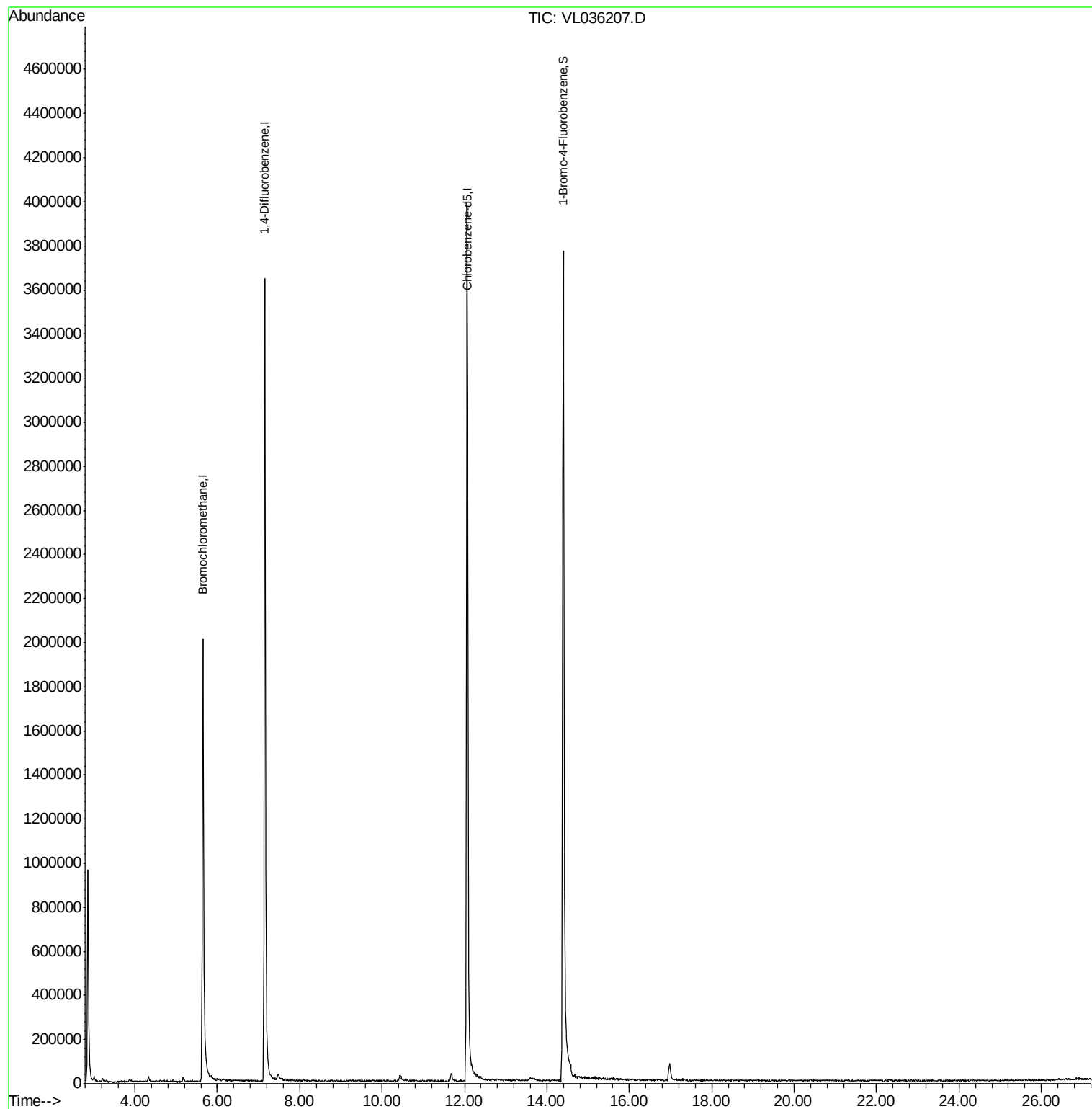
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

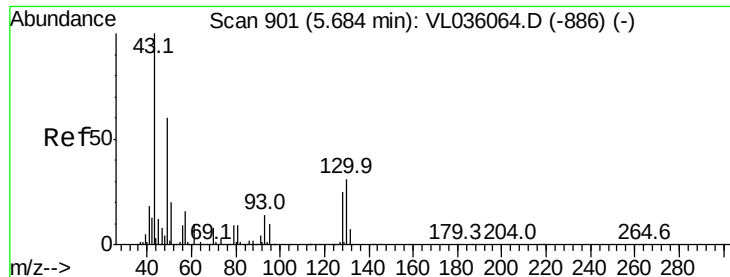
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122320\  
Data File : VL036207.D  
Acq On : 24 Dec 2020 00:51  
Operator : SY/AP  
Sample : OC122220 CAN 10601  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC122220 CAN 10601

Quant Time: Dec 25 23:38:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec 07 16:56:49 2020  
QLast Update : Mon Dec 07 16:56:49 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

Lab File: VL036207.D

Acq: 24 Dec 2020 00:51

Instrument :

MSVOA\_L

ClientSampleId :

QC122220 CAN 10601

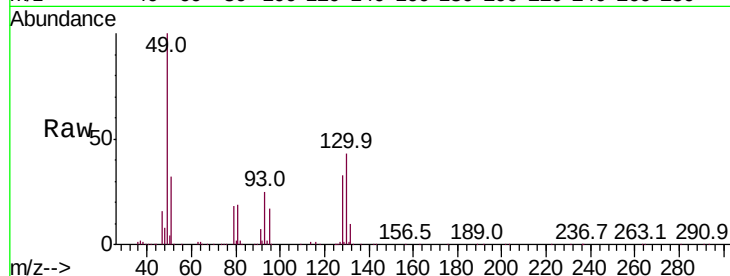
Tot Ion: 49 Resp: 1373390

Ion Ratio Lower Upper

49 100

128 35.1 21.1 63.1

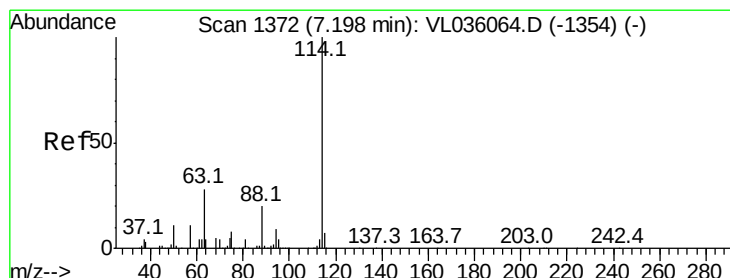
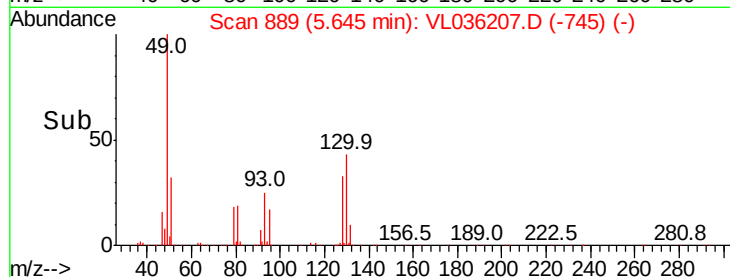
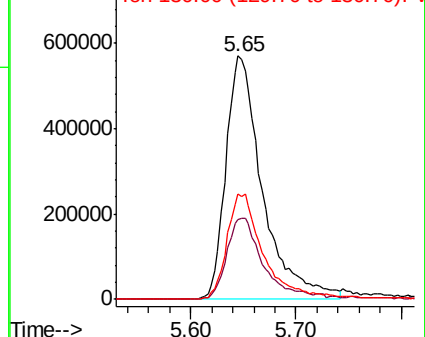
130 43.7 27.1 81.3



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: 7.15 min Scan# 1358

Delta R.T. -0.05 min

Lab File: VL036207.D

Acq: 24 Dec 2020 00:51

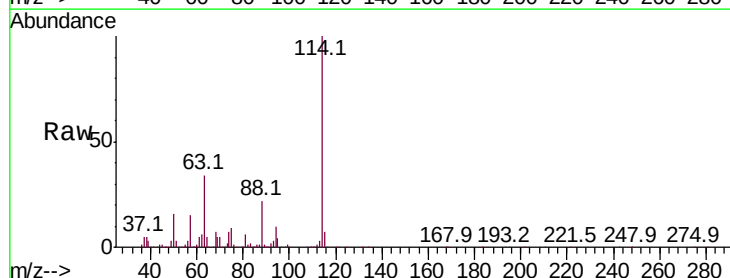
Tgt Ion:114 Resp: 2513170

Ion Ratio Lower Upper

114 100

63 35.6 23.6 35.4#

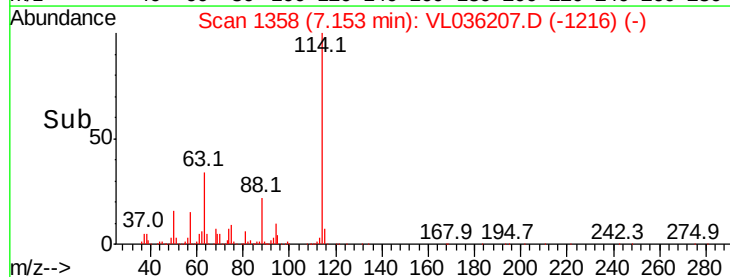
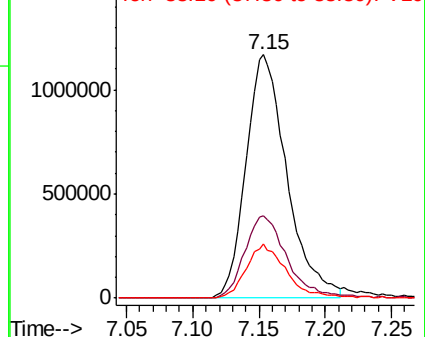
88 22.0 15.8 23.6

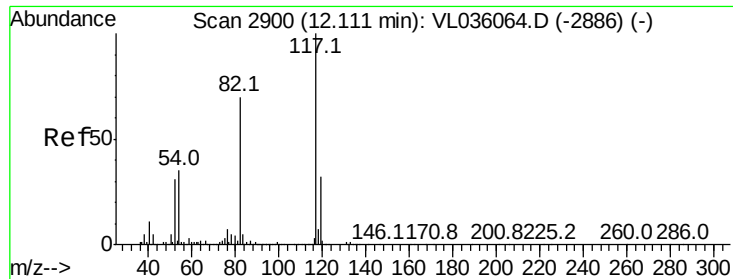


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

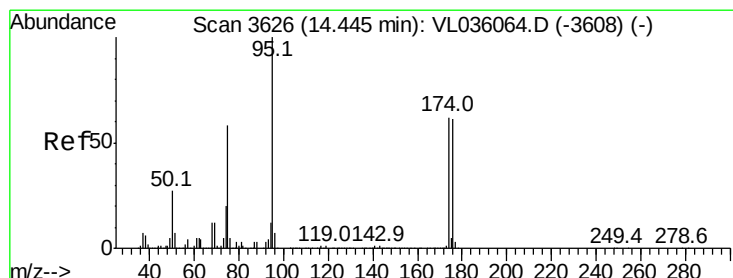
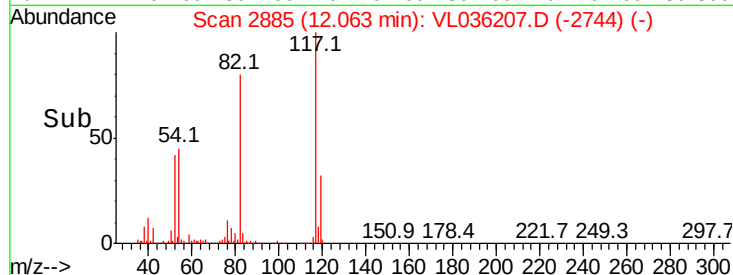
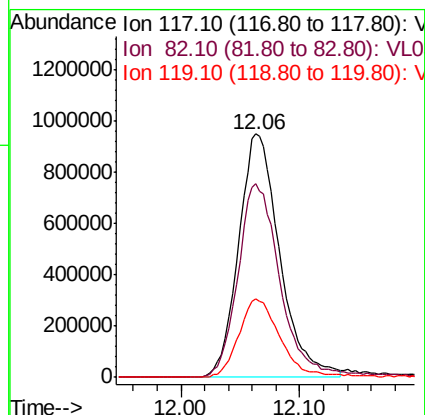
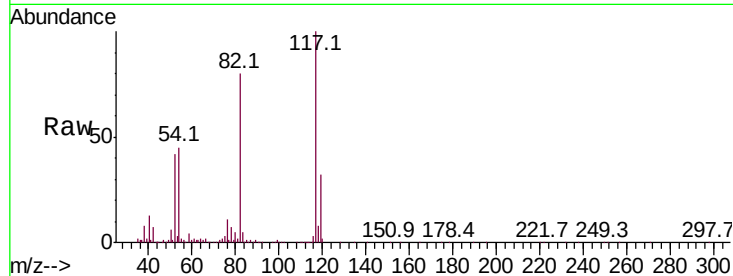




#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.06 min Scan# 2885  
 Delta R.T. -0.05 min  
 Lab File: VL036207.D  
 Acq: 24 Dec 2020 00:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC122220 CAN 10601

Tot Ion:117 Resp: 2267067  
 Ion Ratio Lower Upper  
 117 100  
 82 83.3 0.0 0.0#  
 119 33.0 0.0 0.0#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.950 ppbv  
 RT: 14.40 min Scan# 3611  
 Delta R.T. -0.05 min  
 Lab File: VL036207.D  
 Acq: 24 Dec 2020 00:51

Tgt Ion: 95 Resp: 1971121  
 Ion Ratio Lower Upper  
 95 100  
 174 55.6 50.7 76.1  
 175 4.1 4.0 6.0

