

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\  
 Data File : VL036783.D  
 Acq On : 9 Apr 2021 20:44  
 Operator : SY/AP  
 Sample : QC040921 CAN 10058  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC040921 CAN 10058

Quant Time: Apr 10 11:51:47 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1308832  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3115637  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2471530  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1622399  | 8.24     | ppbv | -0.01  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 82.40% |

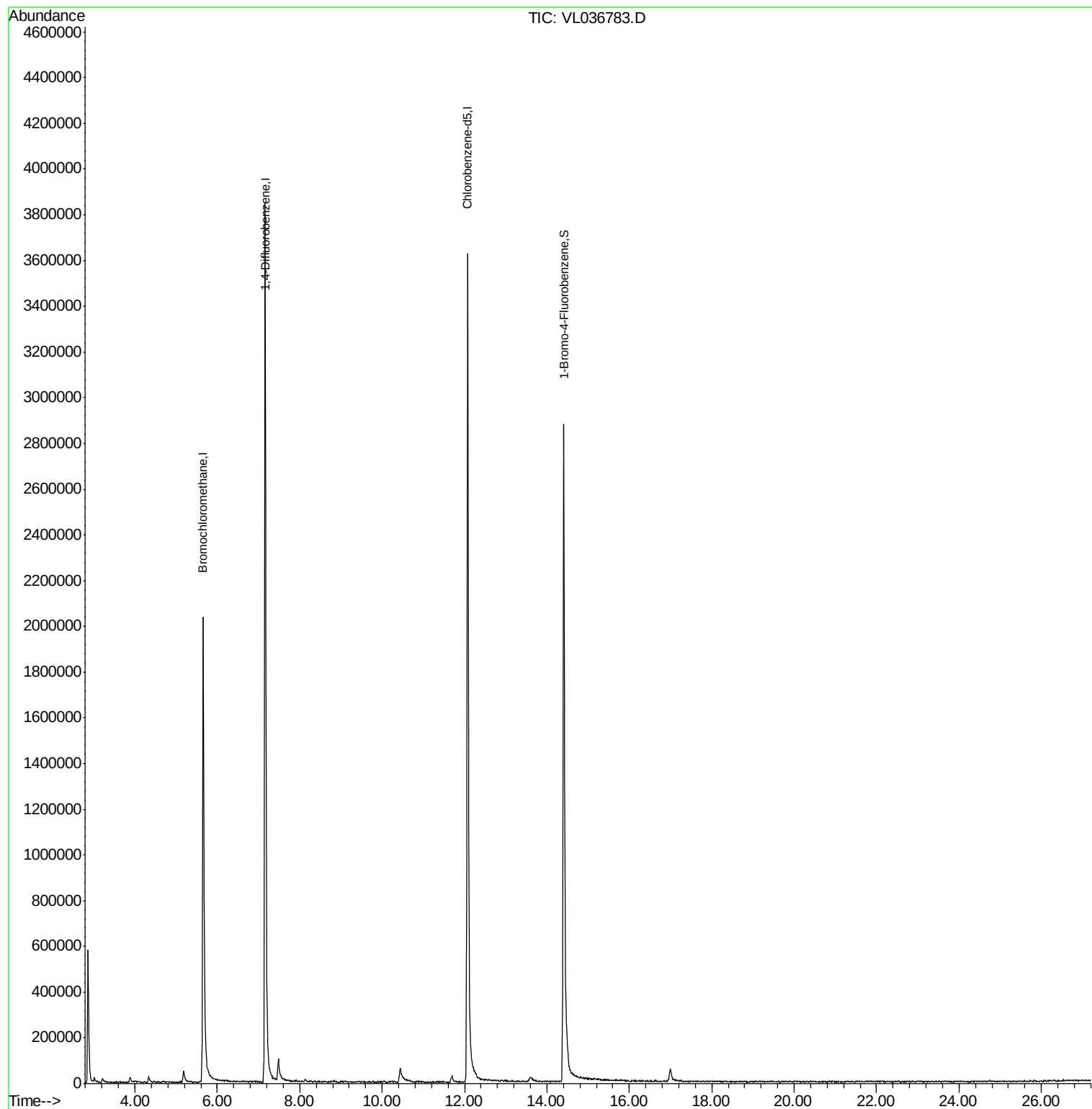
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

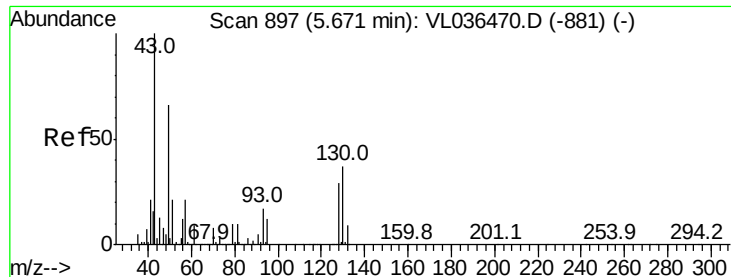
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_L  
ClientSampleId :  
QC040921 CAN 10058

Quant Time: Apr 10 11:51:47 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
QLast Update : Thu Mar 25 09:42:40 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036783.D

Acq: 9 Apr 2021 20:44

Instrument :

MSVOA\_L

ClientSampleId :

QC040921 CAN 10058

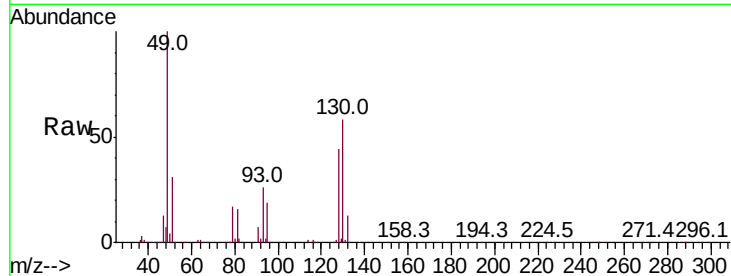
Tot Ion: 49 Resp: 1308832

Ion Ratio Lower Upper

49 100

128 44.6 23.5 70.6

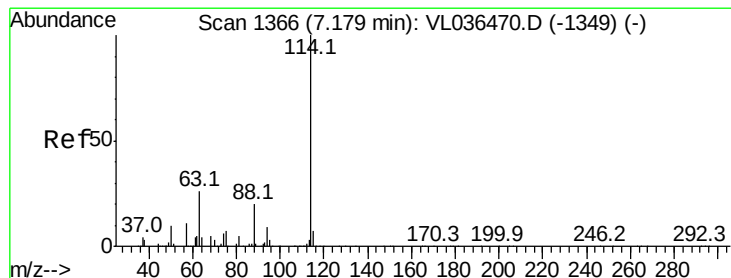
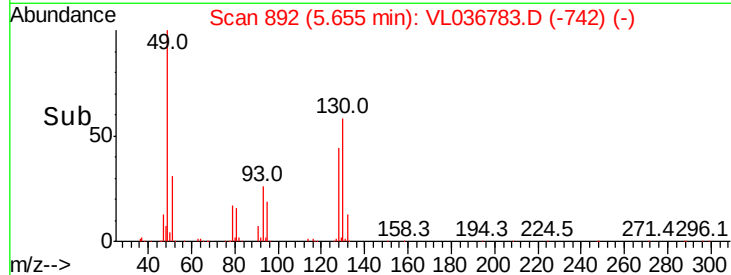
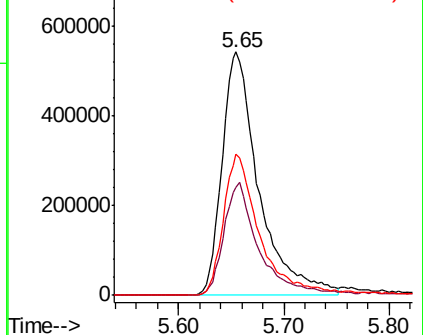
130 58.5 29.1 87.4



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# 1361

Delta R.T. -0.02 min

Lab File: VL036783.D

Acq: 9 Apr 2021 20:44

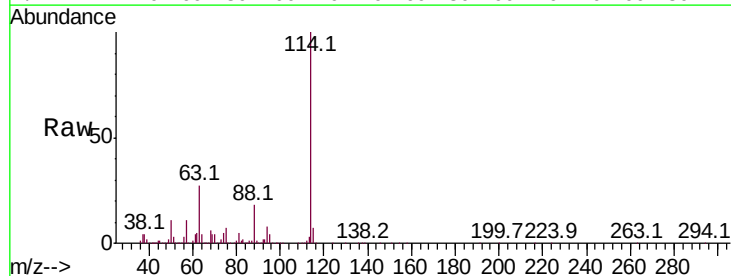
Tgt Ion: 114 Resp: 3115637

Ion Ratio Lower Upper

114 100

63 27.6 22.4 33.6

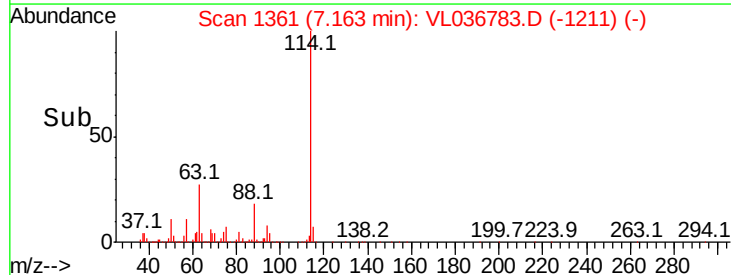
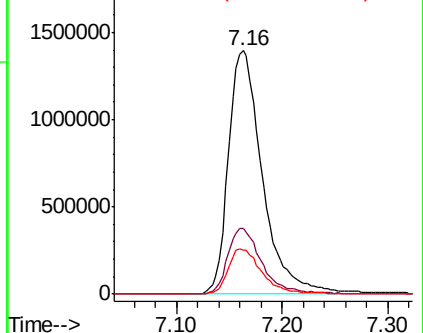
88 18.8 15.4 23.0

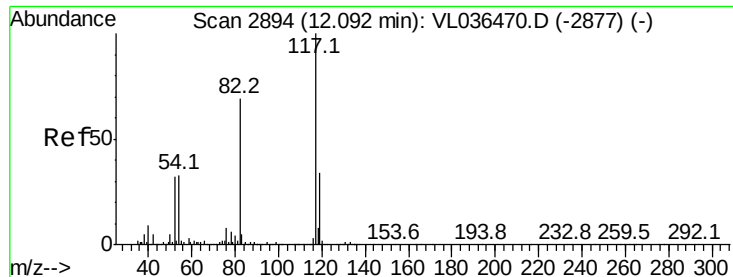


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

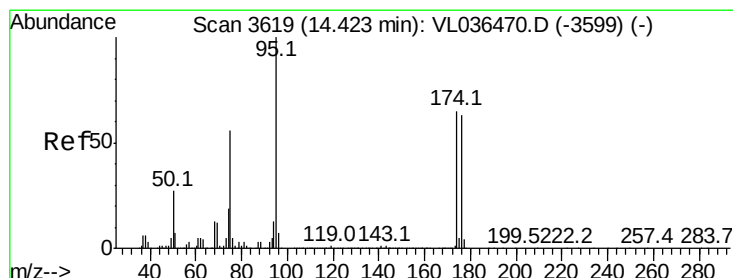
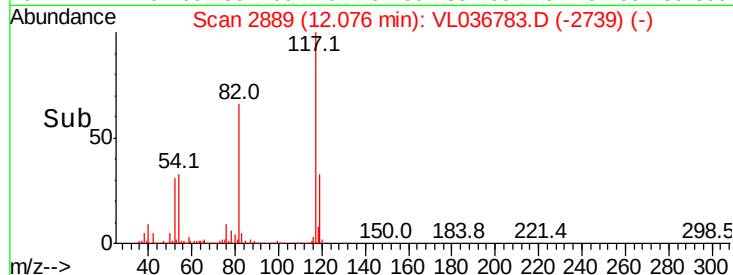
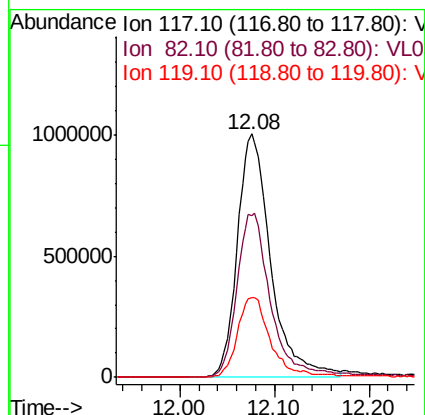
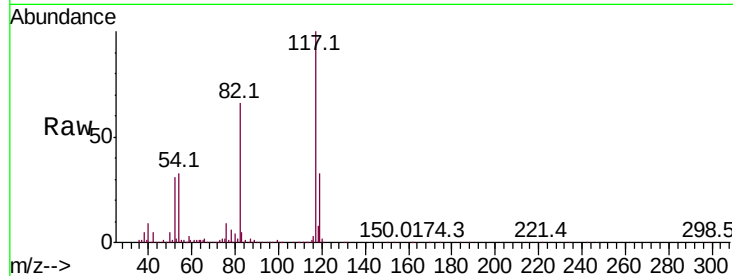




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2889  
Delta R.T. -0.02 min  
Lab File: VL036783.D  
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Tot Ion:117 Resp: 2471530  
Ion Ratio Lower Upper  
117 100  
82 69.1 57.4 86.0  
119 33.8 47.4 71.0#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 8.236 ppbv  
RT: 14.41 min Scan# 3615  
Delta R.T. -0.01 min  
Lab File: VL036783.D  
Acq: 9 Apr 2021 20:44

Tgt Ion: 95 Resp: 1622399  
Ion Ratio Lower Upper  
95 100  
174 62.3 51.0 76.6  
175 5.0 3.9 5.9

