

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\  
Data File : VL035753.D  
Acq On : 8 Oct 2020 20:15  
Operator : SY/AP  
Sample : OC100620 CAN 10598  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC100620 CAN 10598

Quant Time: Oct 09 16:58:18 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LWed Sep 23 07:38:05 2020  
QLast Update : Wed Sep 23 07:38:05 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1171641  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 4301794  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 4205450  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 3095869  | 9.82     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.20% |

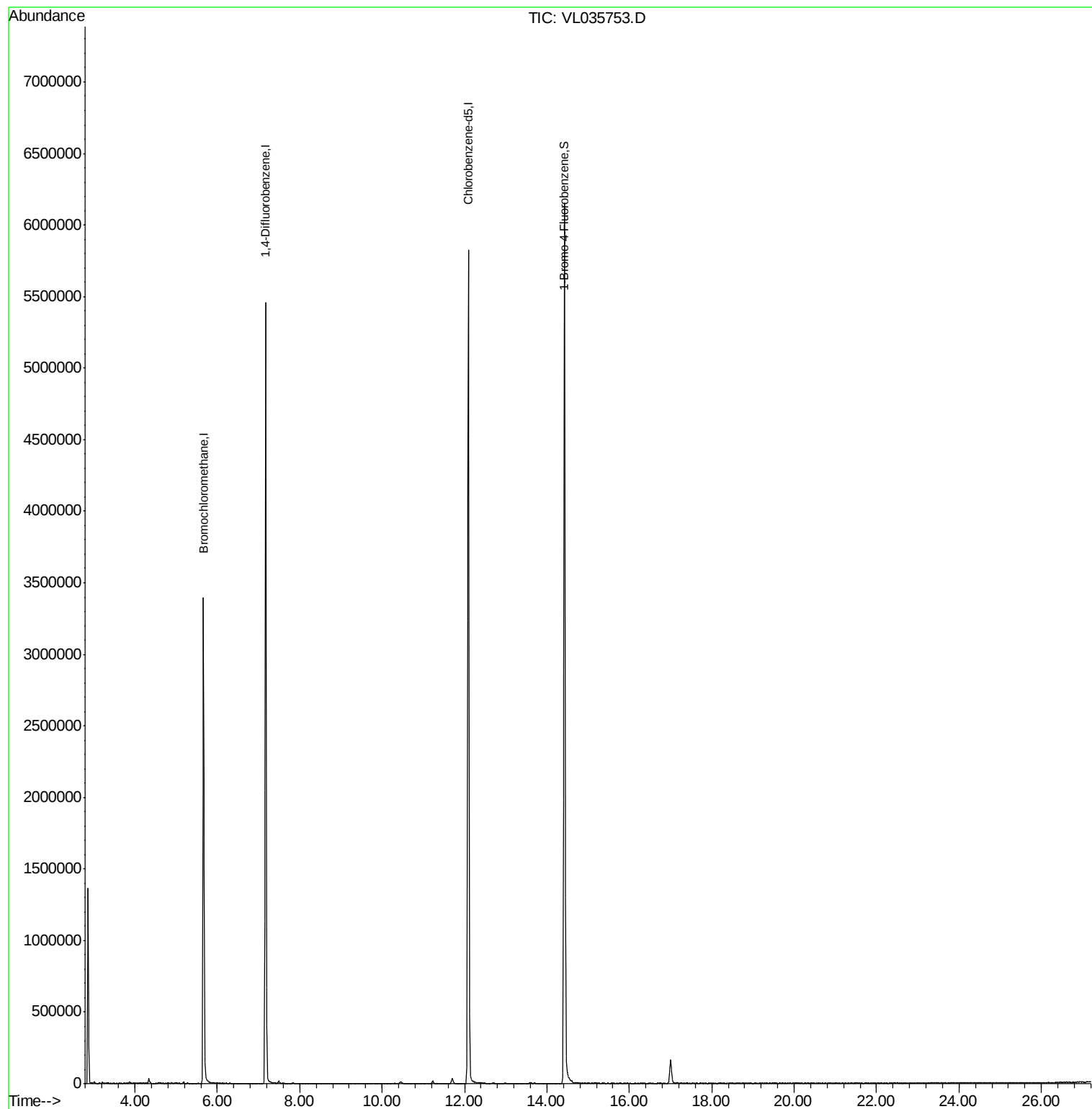
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

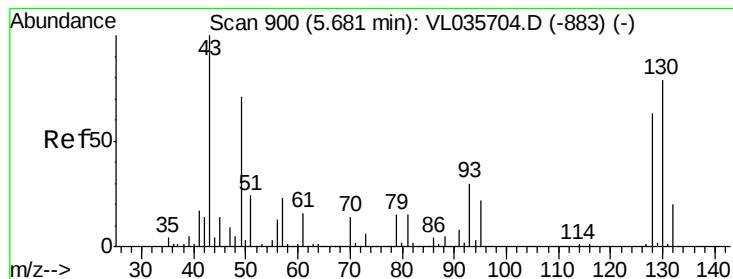
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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Instrument :

MSVOA\_L

ClientSampleId :

QC100620 CAN 10598

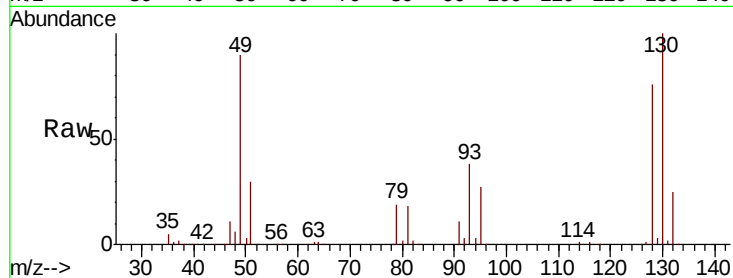
Tot Ion: 49 Resp: 1171641

Ion Ratio Lower Upper

49 100

128 83.9 43.1 129.4

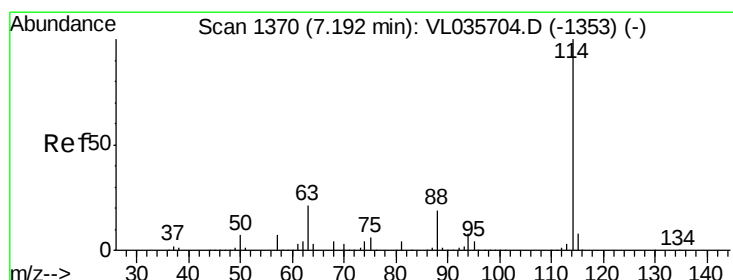
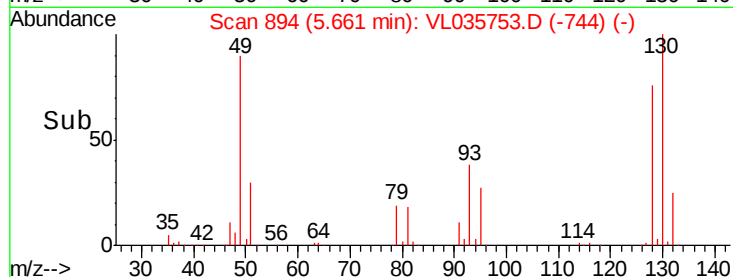
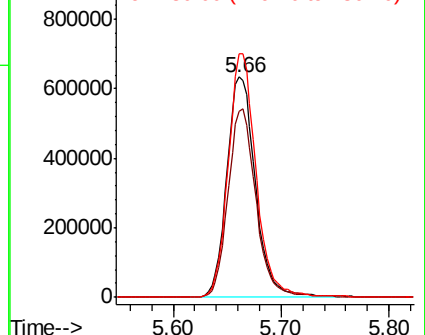
130 108.1 54.9 164.7



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: 7.17 min Scan# 1364

Delta R.T. -0.02 min

Lab File: VL035753.D

Acq: 8 Oct 2020 20:15

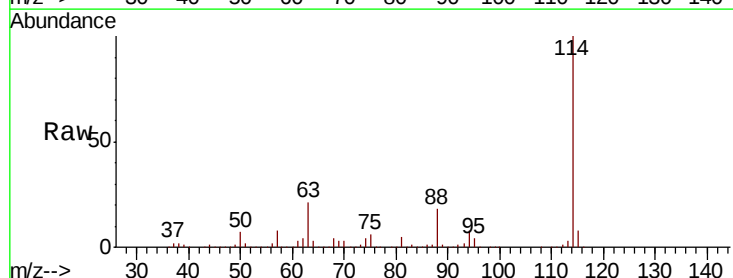
Tgt Ion: 114 Resp: 4301794

Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

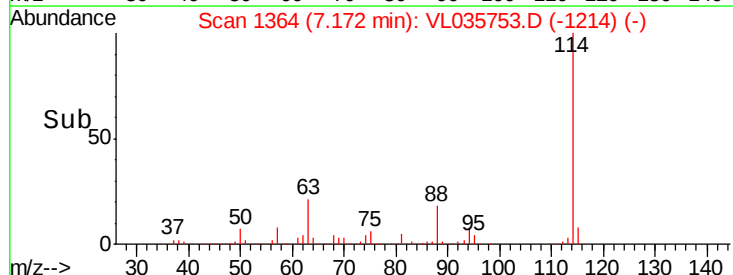
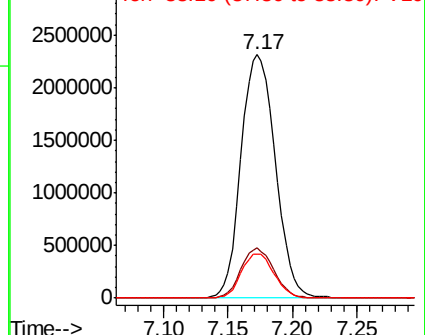
88 17.4 14.1 21.1

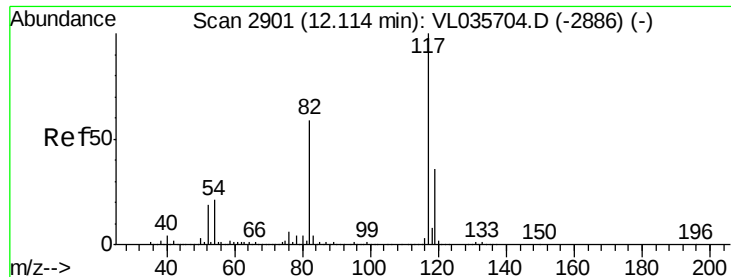


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

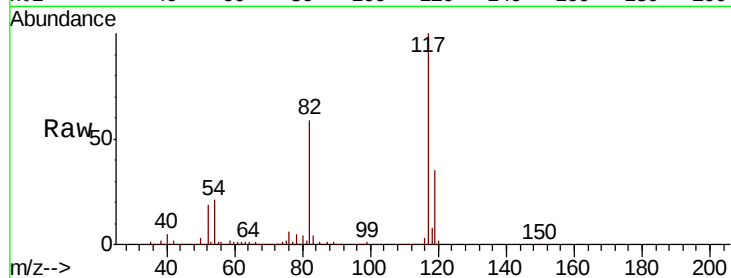




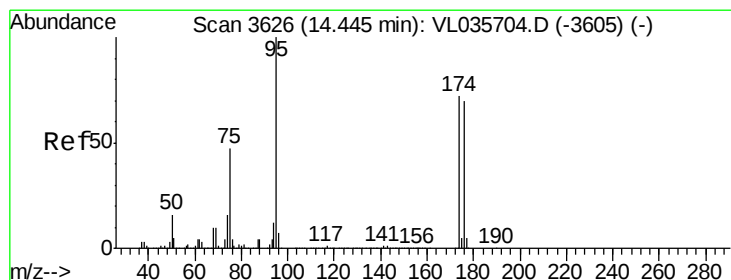
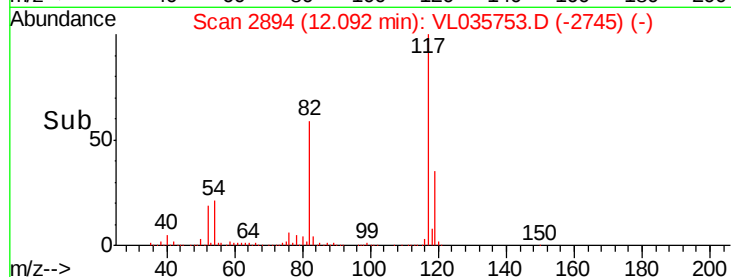
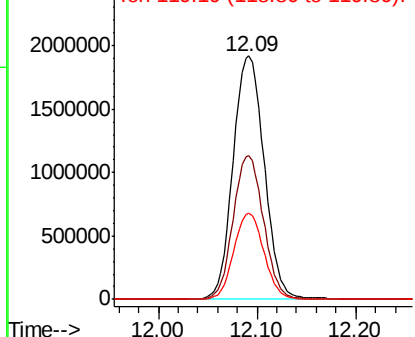
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min Scan# 2894  
Delta R.T. -0.02 min  
Lab File: VL035753.D  
Acq: 8 Oct 2020 20:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC100620 CAN 10598

Tot Ion:117 Resp: 4205450  
Ion Ratio Lower Upper  
117 100  
82 57.9 46.1 69.1  
119 34.2 28.0 42.0

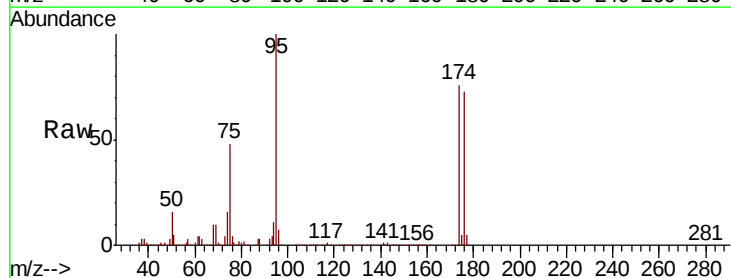


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.824 ppbv  
RT: 14.42 min Scan# 3619  
Delta R.T. -0.02 min  
Lab File: VL035753.D  
Acq: 8 Oct 2020 20:15

Tgt Ion: 95 Resp: 3095869  
Ion Ratio Lower Upper  
95 100  
174 77.5 59.6 89.4  
175 5.6 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

