

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\  
Data File : VL035278.D  
Acq On : 30 Jul 2020 12:53  
Operator : SY/AP  
Sample : OC CAN 10281  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC CAN 10281

Quant Time: Jul 31 05:11:31 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jul 29 07:14:29 2020  
QLast Update : Wed Jul 29 07:14:29 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1093882  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2660357  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2407611  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 2001214  | 10.40    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.00% |

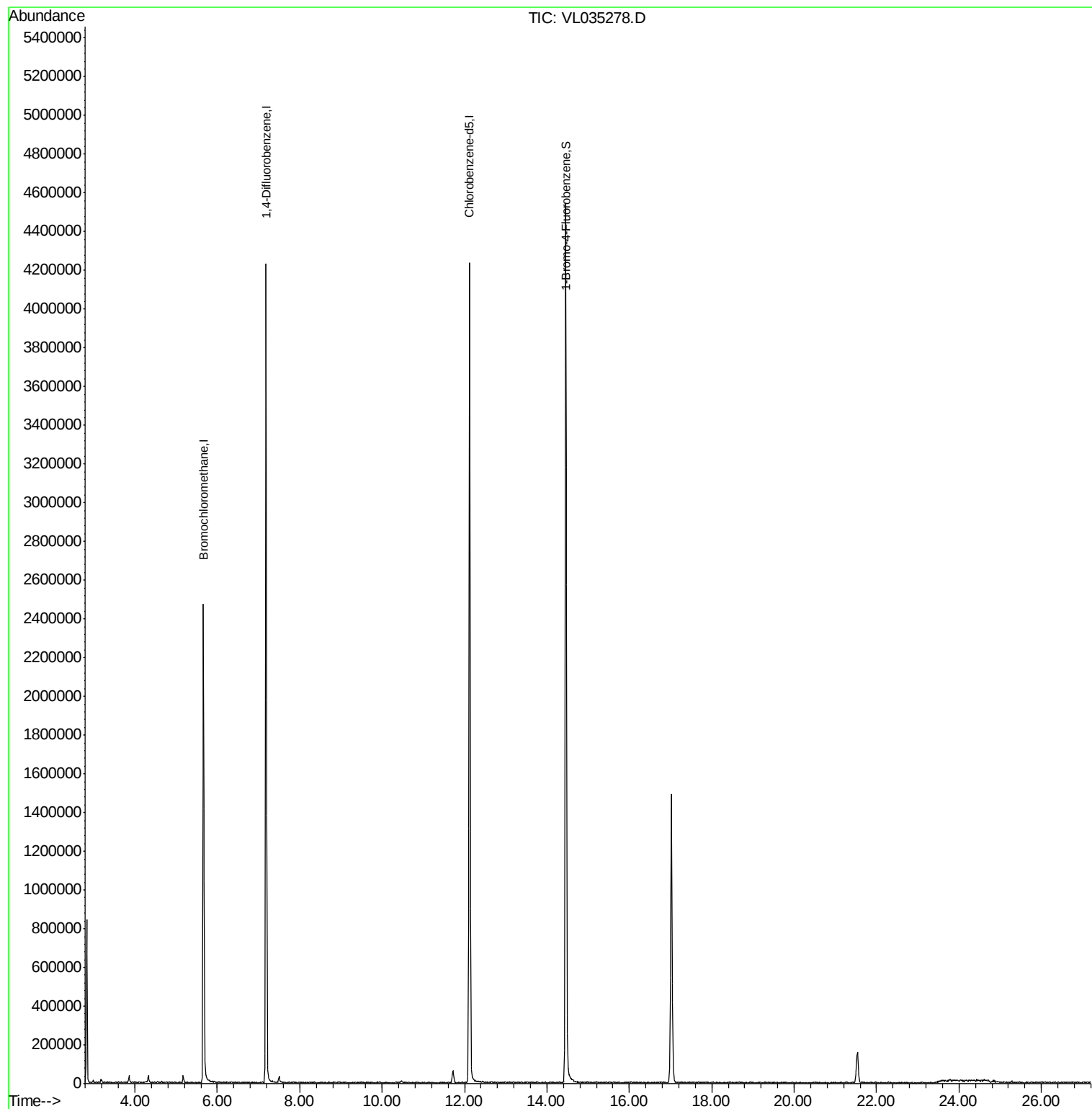
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

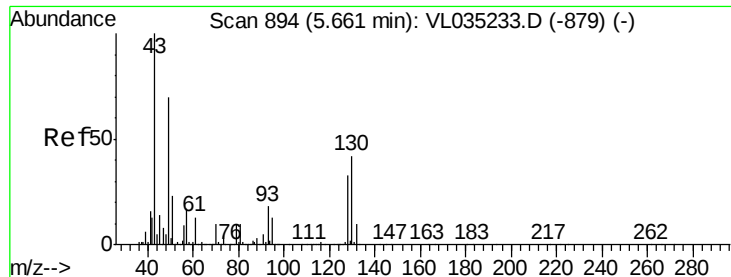
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

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ClientSampleId :

QC CAN 10281

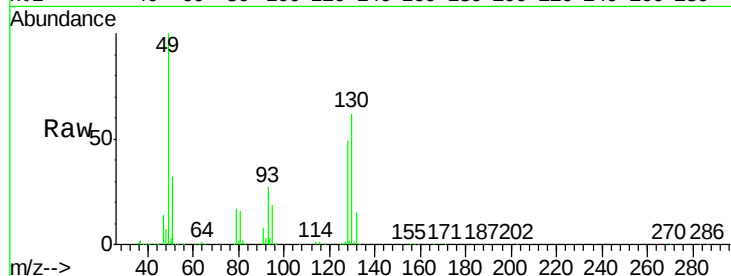
Tot Ion: 49 Resp: 1093882

Ion Ratio Lower Upper

49 100

128 48.7 24.0 72.0

130 63.2 30.7 92.1

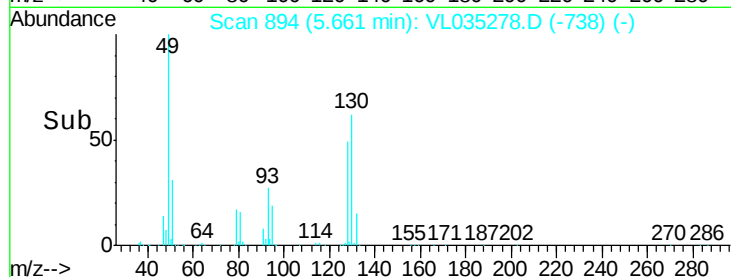


Abundance Ion 49.10 (48.80 to 49.80): VL0

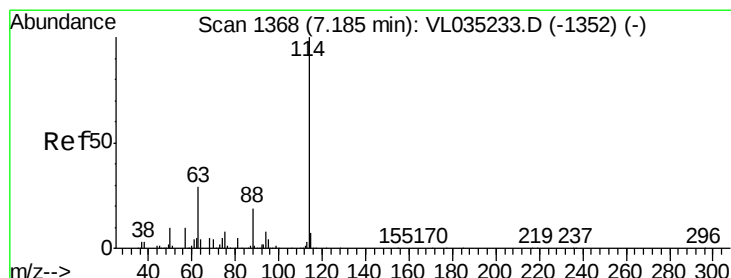
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL035278.D

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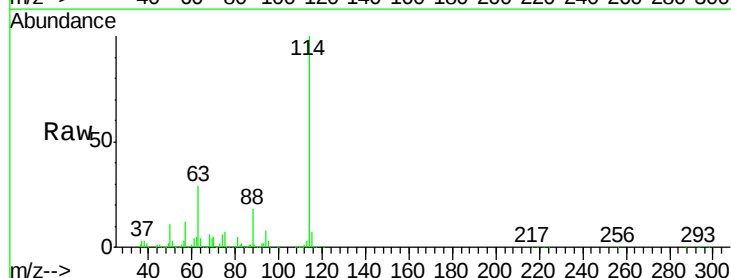
Tgt Ion: 114 Resp: 2660357

Ion Ratio Lower Upper

114 100

63 27.7 22.2 33.2

88 19.4 15.4 23.0

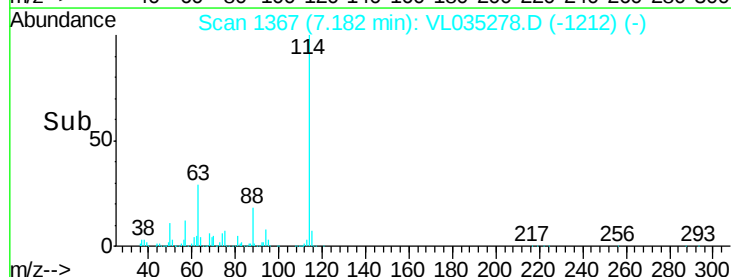


Abundance Ion 114.10 (113.80 to 114.80): VL0

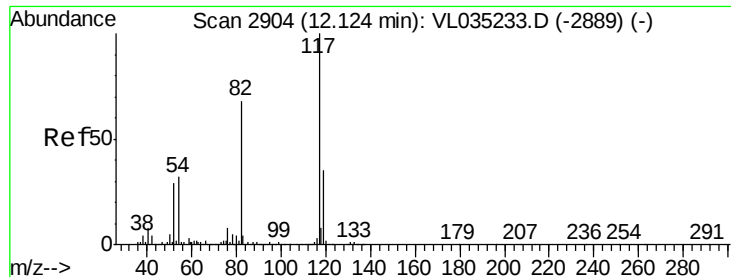
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

Time-->



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

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Instrument :

MSVOA\_L

ClientSampleId :

QC CAN 10281

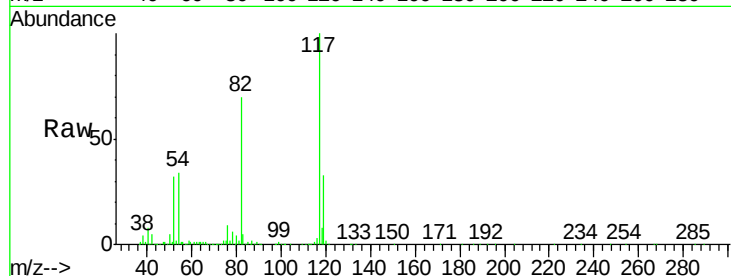
Tot Ion:117 Resp: 2407611

Ion Ratio Lower Upper

117 100

82 69.6 52.4 78.6

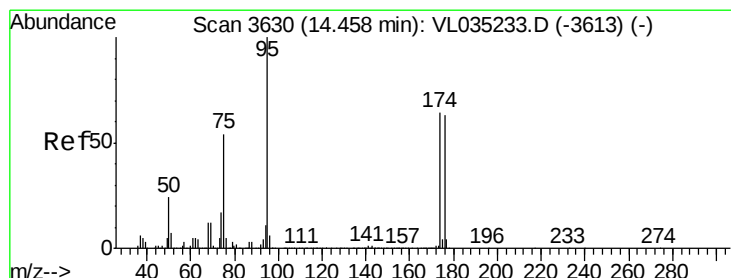
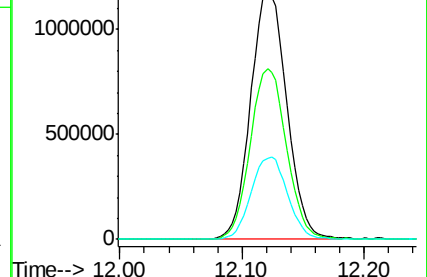
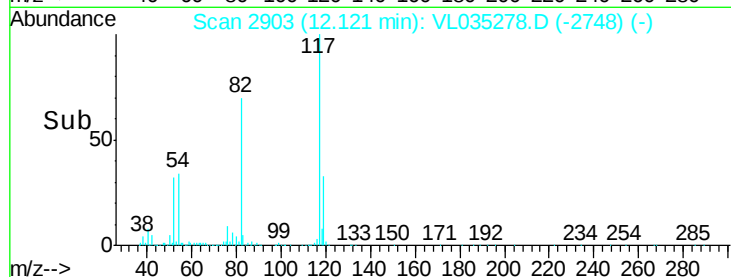
119 33.7 24.6 36.8



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: 10.402 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

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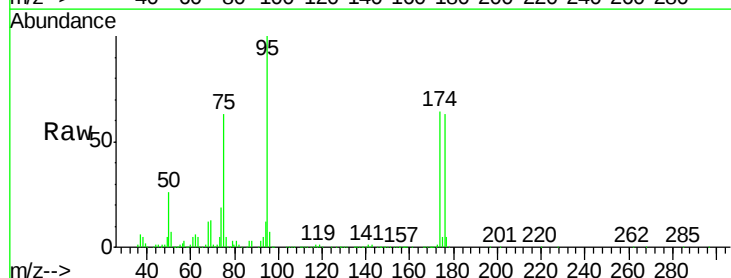
Tgt Ion: 95 Resp: 2001214

Ion Ratio Lower Upper

95 100

174 66.2 52.7 79.1

175 4.6 3.9 5.9



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

