

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\  
Data File : VL033672.D  
Acq On : 6 May 2019 23:48  
Operator : SY/AP  
Sample : QC042919 CAN 10607  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC042919 CAN 10607

Quant Time: May 07 05:38:01 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon May 06 15:19:01 2019  
QLast Update : Mon May 06 15:19:01 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.75  | 49   | 808511   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.28  | 114  | 1901253  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 1894076  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1674470  | 10.78    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 107.80% |

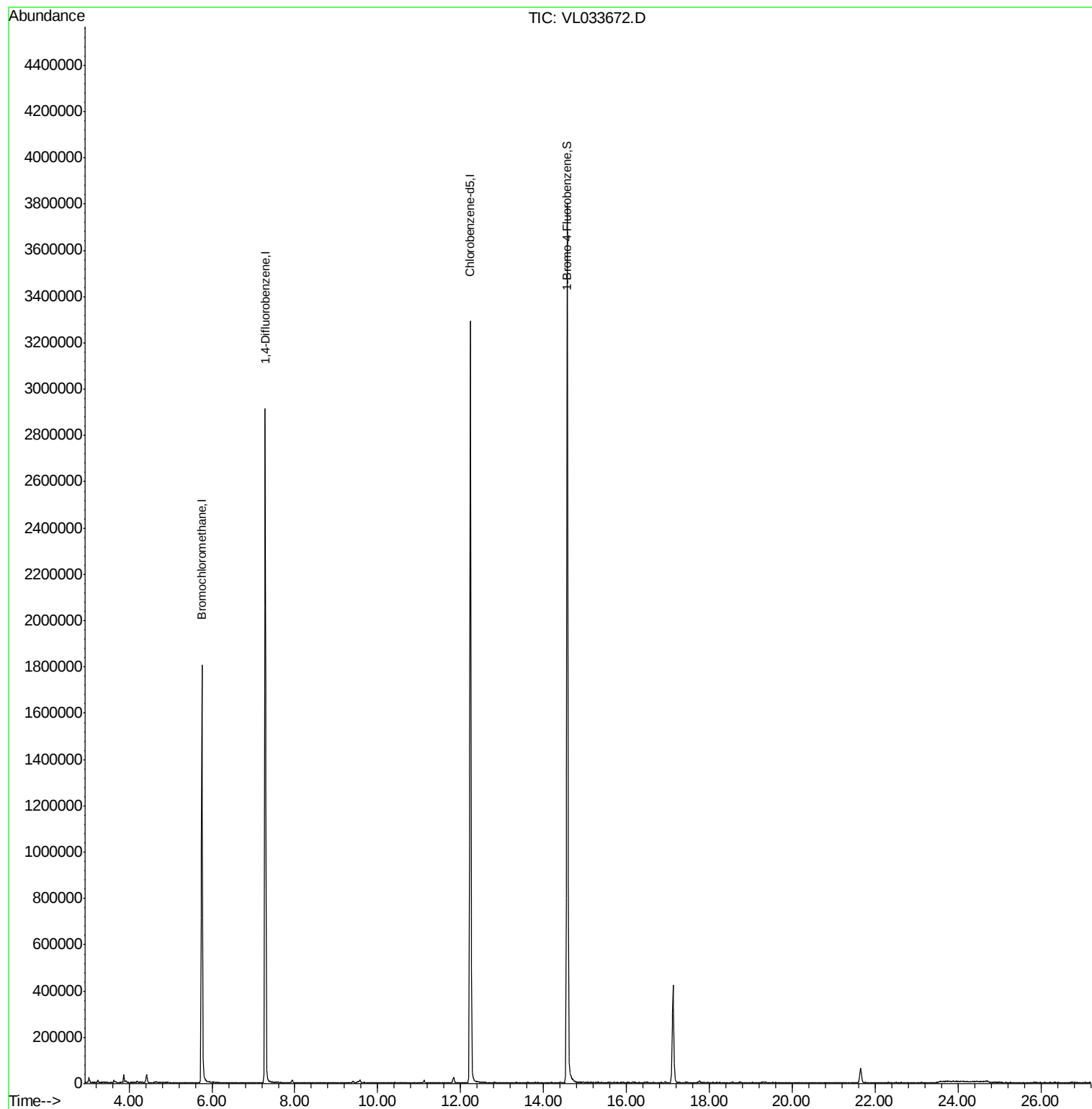
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

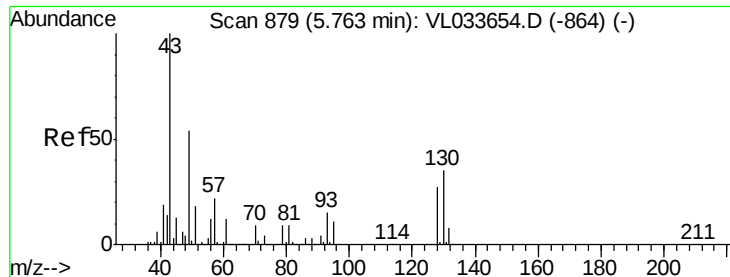
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_L  
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QC042919 CAN 10607

Quant Time: May 07 05:38:01 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon May 06 15:19:01 2019  
QLast Update : Mon May 06 15:19:01 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033672.D

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Instrument :

MSVOA\_L

ClientSampleId :

QC042919 CAN 10607

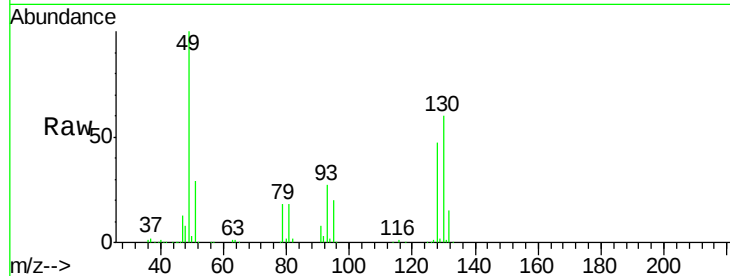
Tot Ion: 49 Resp: 808511

Ion Ratio Lower Upper

49 100

128 48.5 24.8 74.3

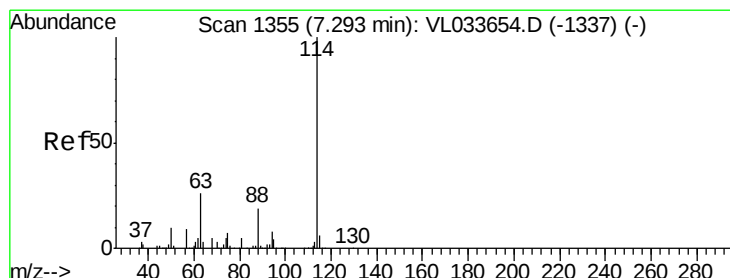
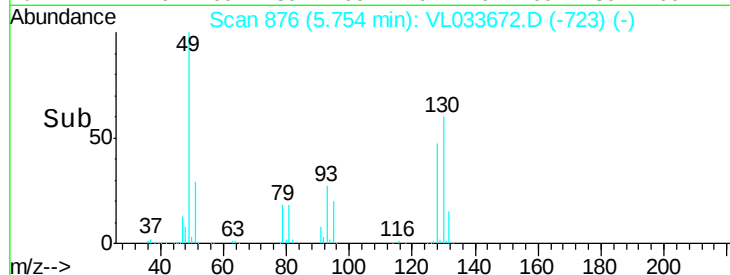
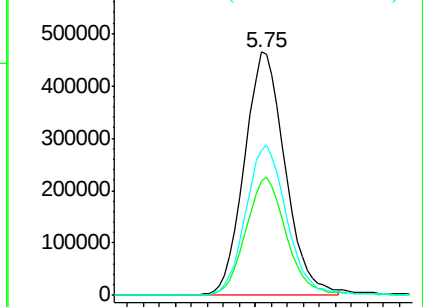
130 62.9 32.1 96.5



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: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033672.D

Acq: 6 May 2019 23:48

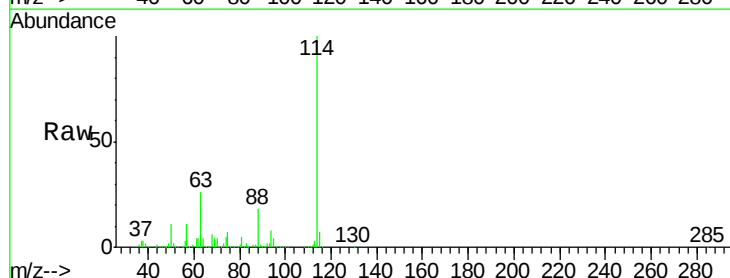
Tgt Ion: 114 Resp: 1901253

Ion Ratio Lower Upper

114 100

63 27.0 21.3 31.9

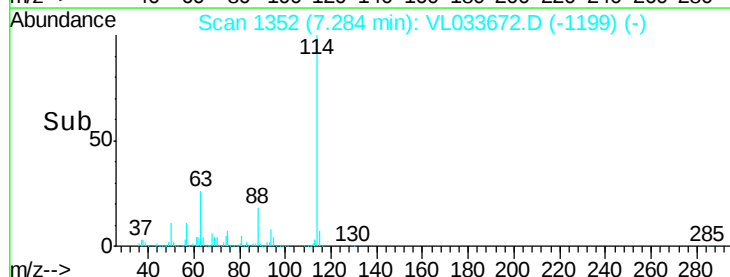
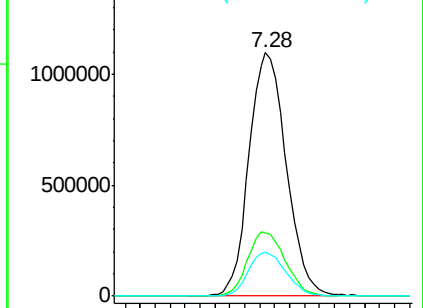
88 18.1 14.4 21.6

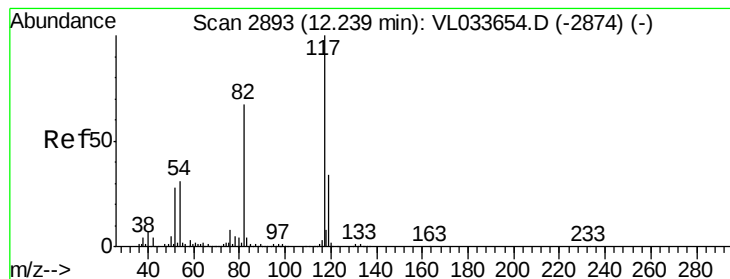


Abundance Ion 114.10 (113.80 to 114.80): VL0

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: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033672.D

Acq: 6 May 2019 23:48

Instrument :

MSVOA\_L

ClientSampleId :

QC042919 CAN 10607

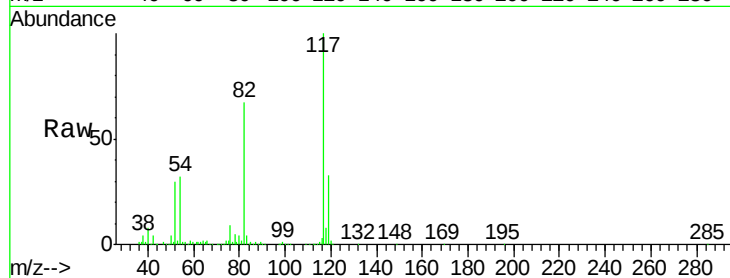
Tot Ion:117 Resp: 1894076

Ion Ratio Lower Upper

117 100

82 68.4 49.7 74.5

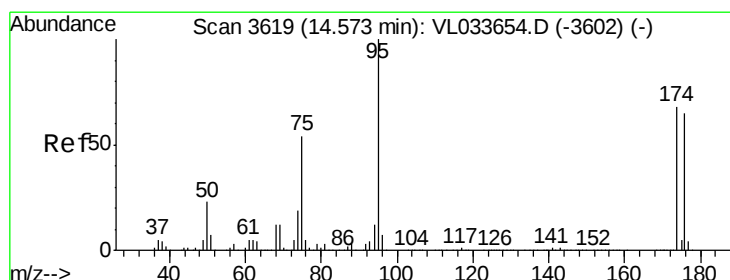
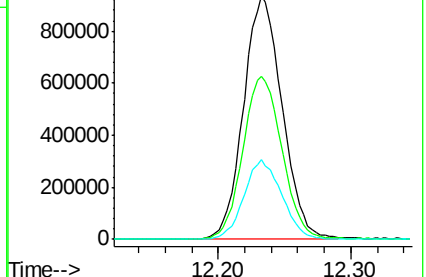
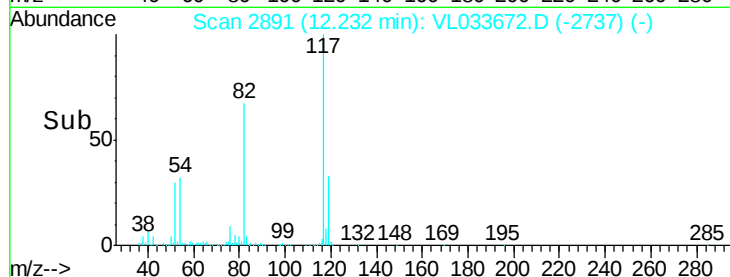
119 32.3 24.8 37.2



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: 10.785 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033672.D

Acq: 6 May 2019 23:48

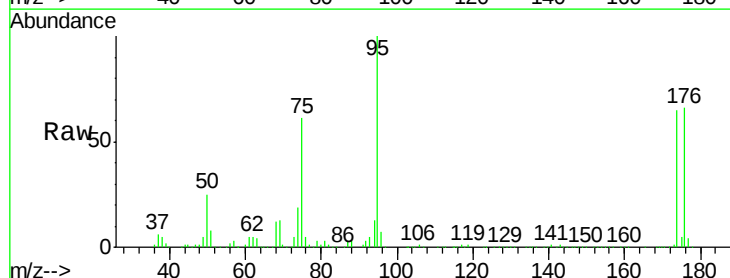
Tgt Ion: 95 Resp: 1674470

Ion Ratio Lower Upper

95 100

174 66.2 54.0 81.0

175 4.7 3.8 5.8



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

