

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\  
Data File : VL033968.D  
Acq On : 26 Jun 2019 15:20  
Operator : SY/AP  
Sample : QC062019 CAN 10267  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC062019 CAN 10267

Quant Time: Jun 27 04:23:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Jun 07 08:53:27 2019  
QLast Update : Fri Jun 07 08:53:27 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.74  | 49   | 770360   | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.26  | 114  | 1760469  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.21 | 117  | 1661487  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.54  | 95    | 1435078  | 10.52    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.20% |

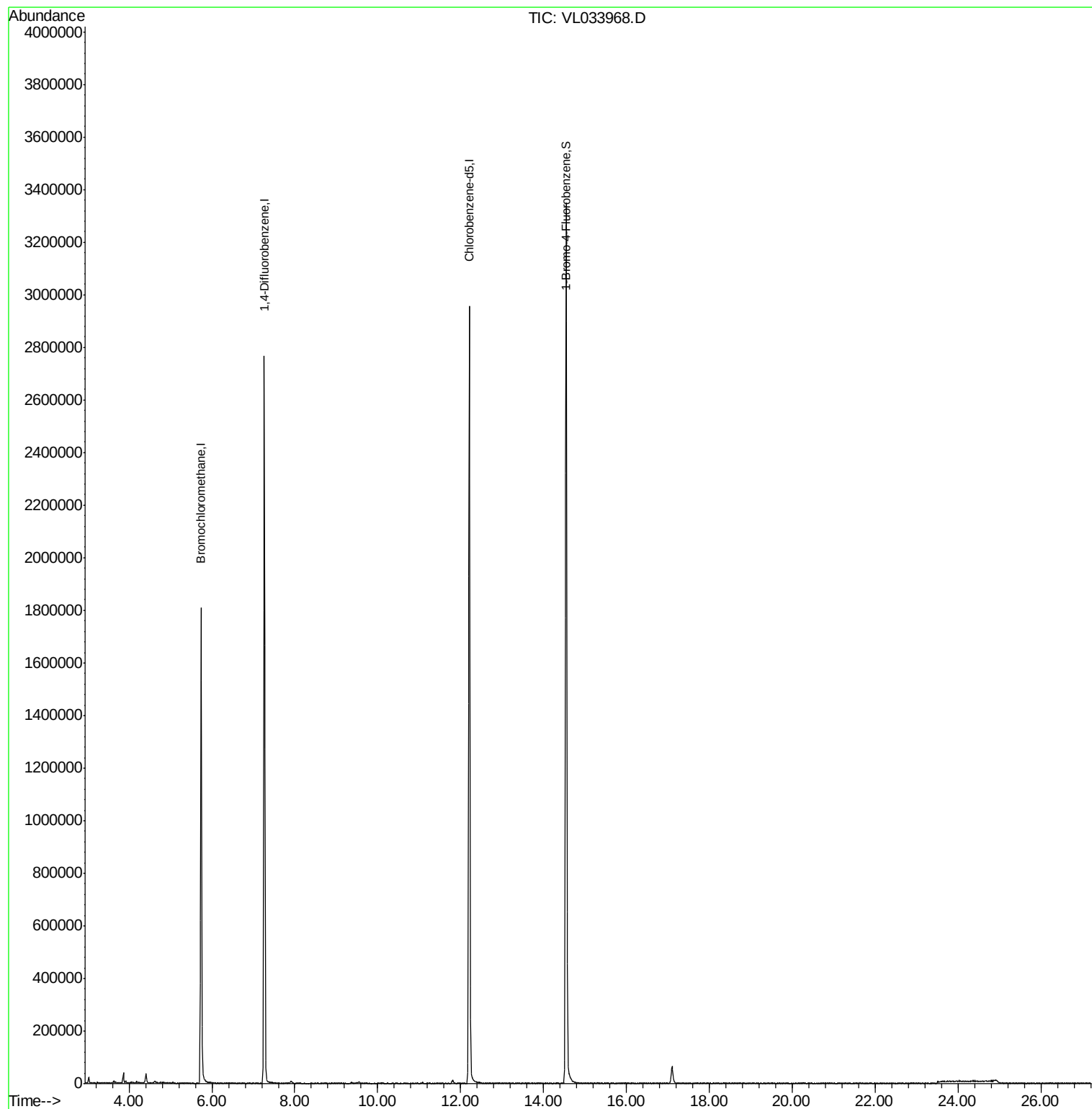
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

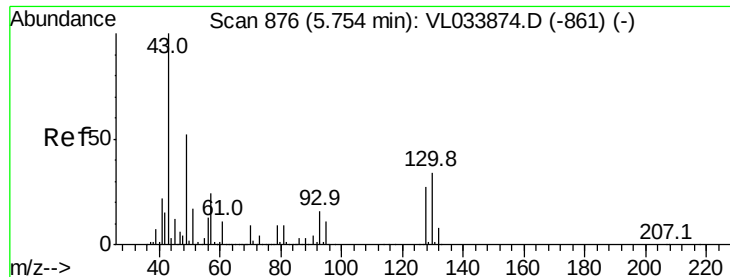
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 08:53:27 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.02 min

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MSVOA\_L

ClientSampleId :

QC062019 CAN 10267

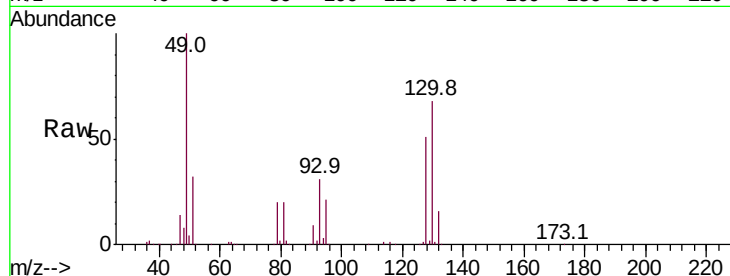
Tot Ion: 49 Resp: 770360

Ion Ratio Lower Upper

49 100

128 51.6 25.5 76.5

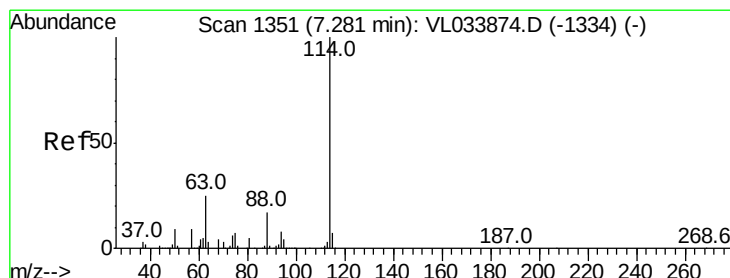
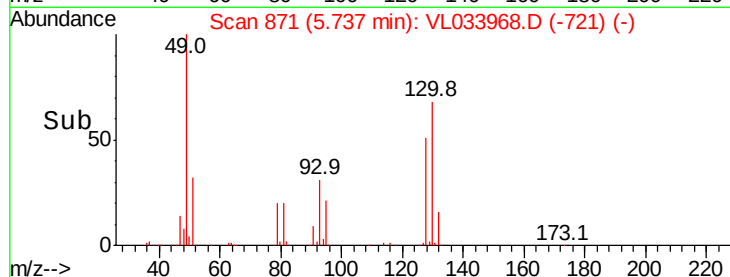
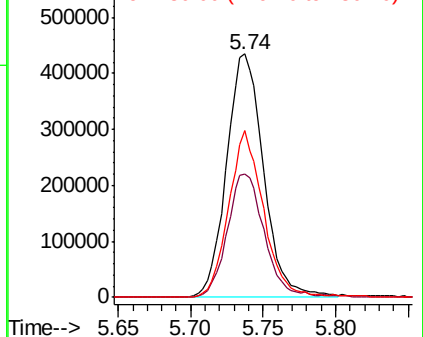
130 65.2 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.26 min Scan# 1345

Delta R.T. -0.02 min

Lab File: VL033968.D

Acq: 26 Jun 2019 15:20

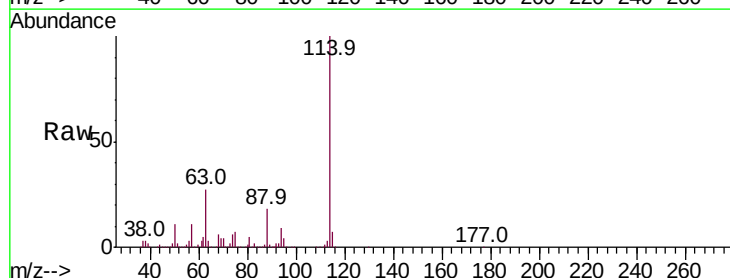
Tgt Ion:114 Resp: 1760469

Ion Ratio Lower Upper

114 100

63 26.9 21.1 31.7

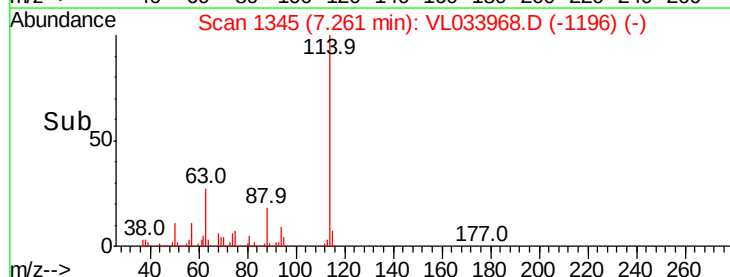
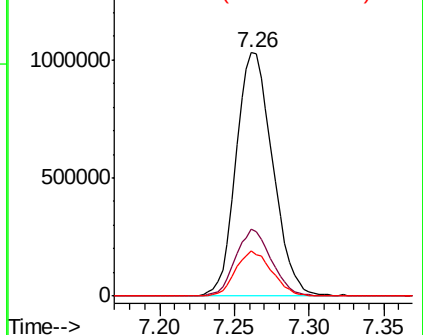
88 18.2 14.2 21.4

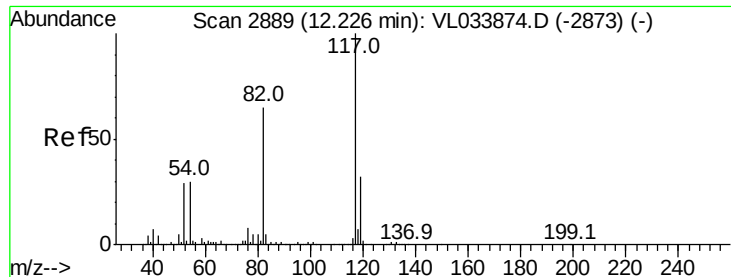


Abundance Ion 114.10 (113.80 to 114.80): V

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: 12.21 min Scan# 2883

Delta R.T. -0.02 min

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Acq: 26 Jun 2019 15:20

Instrument :

MSVOA\_L

ClientSampleId :

QC062019 CAN 10267

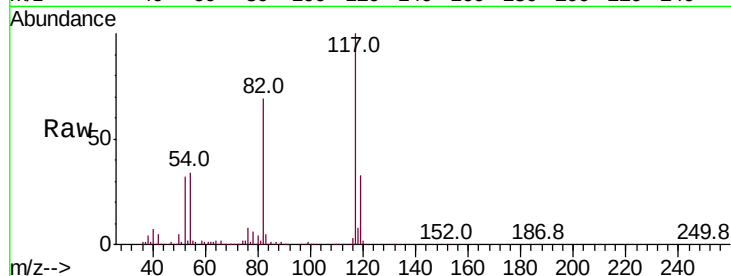
Tot Ion:117 Resp: 1661487

Ion Ratio Lower Upper

117 100

82 69.4 50.2 75.2

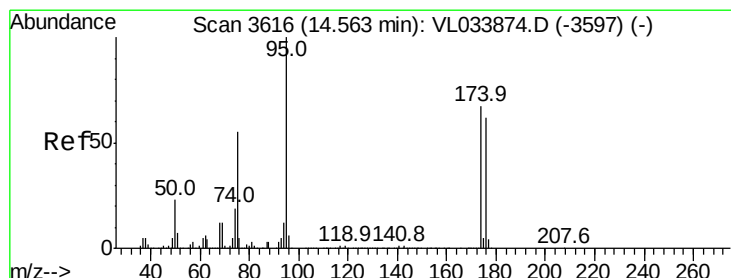
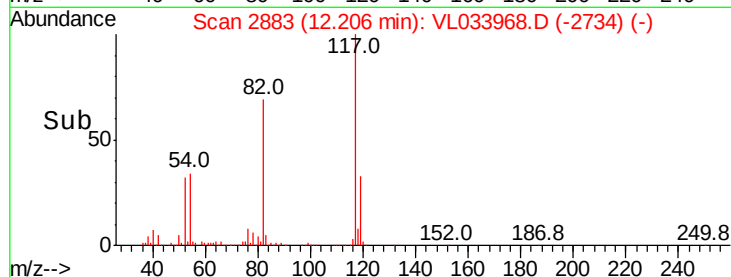
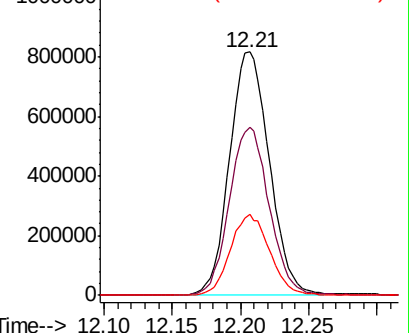
119 32.9 24.8 37.2



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: 10.516 ppbv

RT: 14.54 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL033968.D

Acq: 26 Jun 2019 15:20

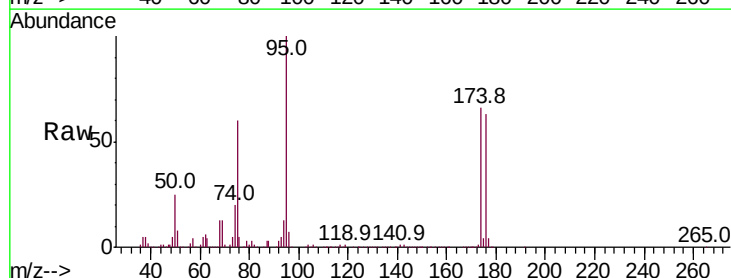
Tgt Ion: 95 Resp: 1435078

Ion Ratio Lower Upper

95 100

174 64.8 54.0 81.0

175 4.5 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

