

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\  
Data File : VL033035.D  
Acq On : 20 Dec 2018 21:21  
Operator : SY/AP  
Sample : OC121718 CAN 10308  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC121718 CAN 10308

Quant Time: Dec 23 11:22:43 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Dec 07 09:35:17 2018  
QLast Update : Fri Dec 07 09:35:17 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1190980  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 2777907  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 2501514  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 1942755  | 10.51    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.10% |

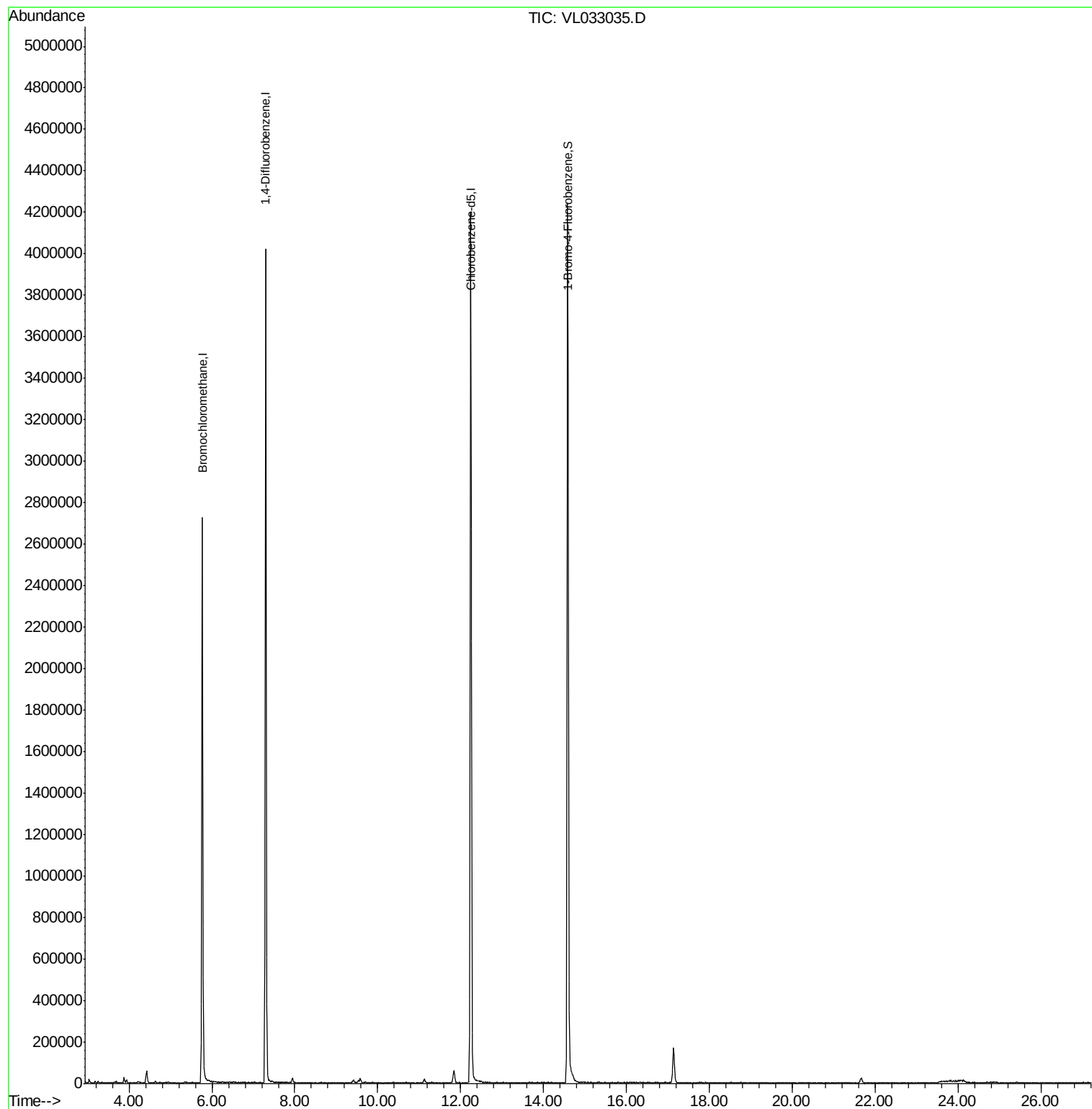
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

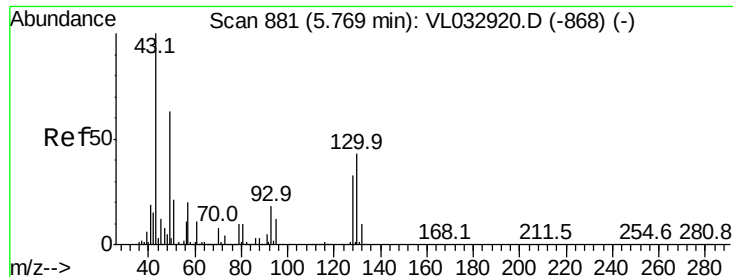
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

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MSVOA\_L

ClientSampleId :

QC121718 CAN 10308

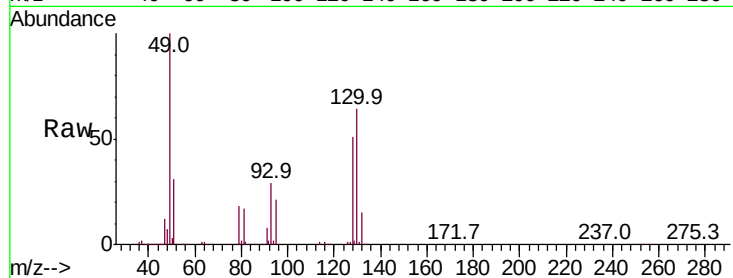
Tot Ion: 49 Resp: 1190980

Ion Ratio Lower Upper

49 100

128 52.6 26.3 78.8

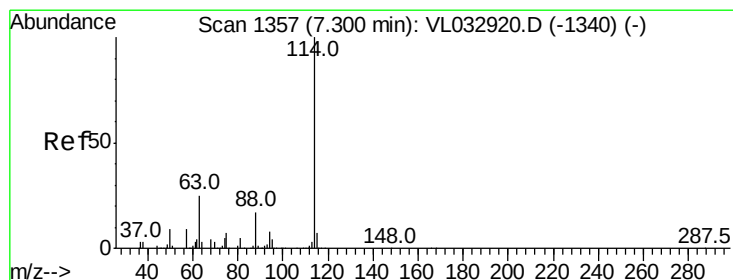
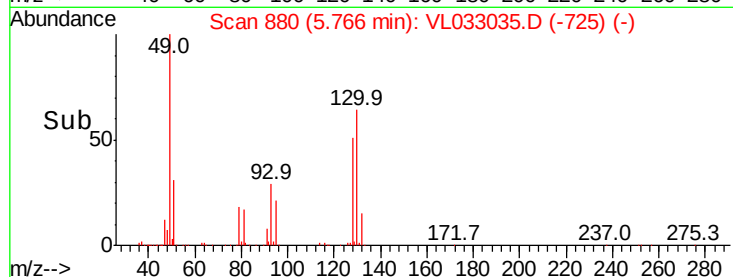
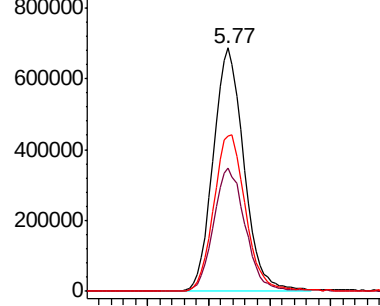
130 67.5 33.9 101.7



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: 7.30 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL033035.D

Acq: 20 Dec 2018 21:21

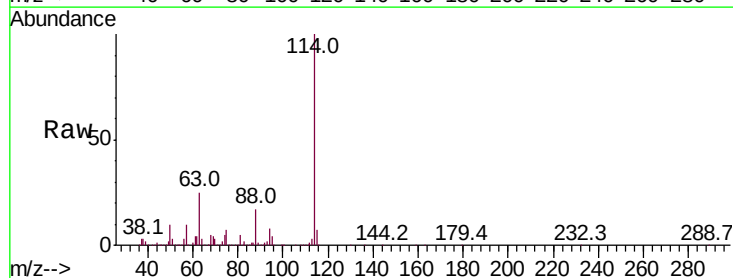
Tgt Ion: 114 Resp: 2777907

Ion Ratio Lower Upper

114 100

63 24.8 20.1 30.1

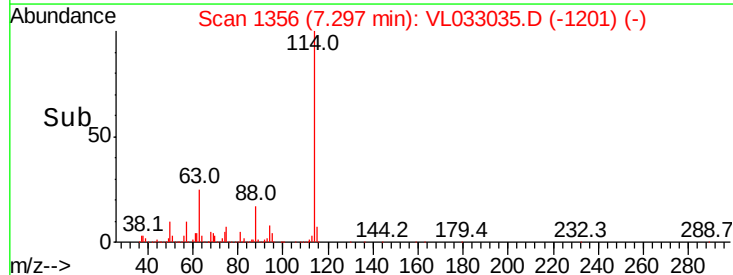
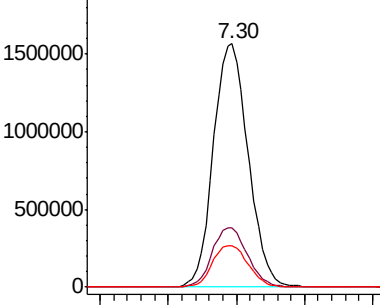
88 17.6 14.2 21.4

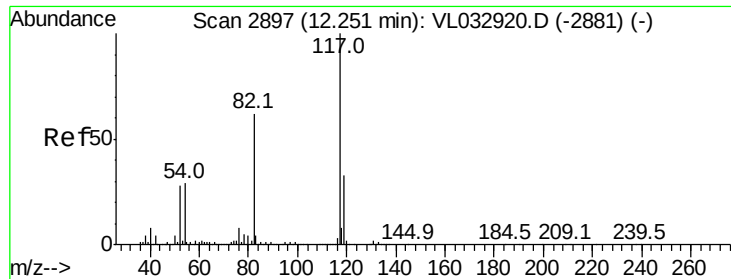


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

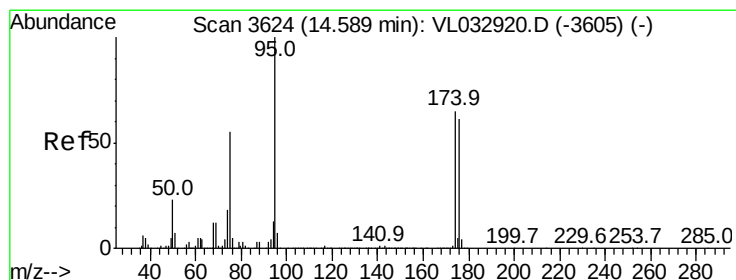
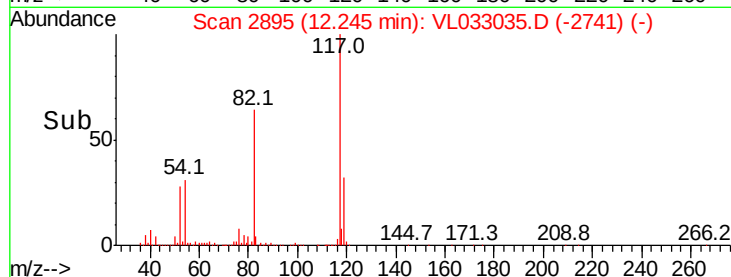
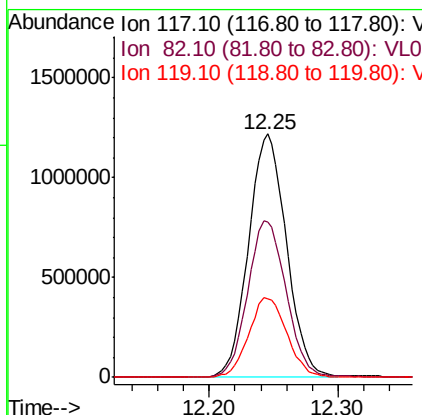
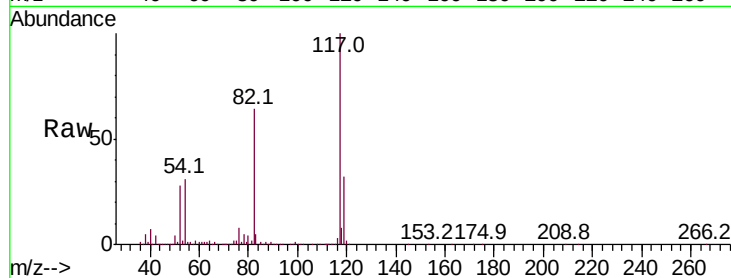




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.25 min Scan# 2895  
Delta R.T. -0.01 min  
Lab File: VL033035.D  
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Tot Ion:117 Resp: 2501514  
Ion Ratio Lower Upper  
117 100  
82 65.5 47.8 71.8  
119 33.1 43.1 64.7#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.512 ppbv  
RT: 14.58 min Scan# 3621  
Delta R.T. -0.01 min  
Lab File: VL033035.D  
Acq: 20 Dec 2018 21:21

Tgt Ion: 95 Resp: 1942755  
Ion Ratio Lower Upper  
95 100  
174 65.8 51.4 77.0  
175 4.7 3.8 5.6

