

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\  
Data File : VL033777.D  
Acq On : 23 May 2019 17:26  
Operator : SY/AP  
Sample : VIBLK  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Quant Time: May 24 05:24:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri May 17 08:15:41 2019  
QLast Update : Fri May 17 08:15:41 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.75  | 49   | 1083685  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.28  | 114  | 2729680  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 2679472  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 2153889  | 9.92     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.20% |

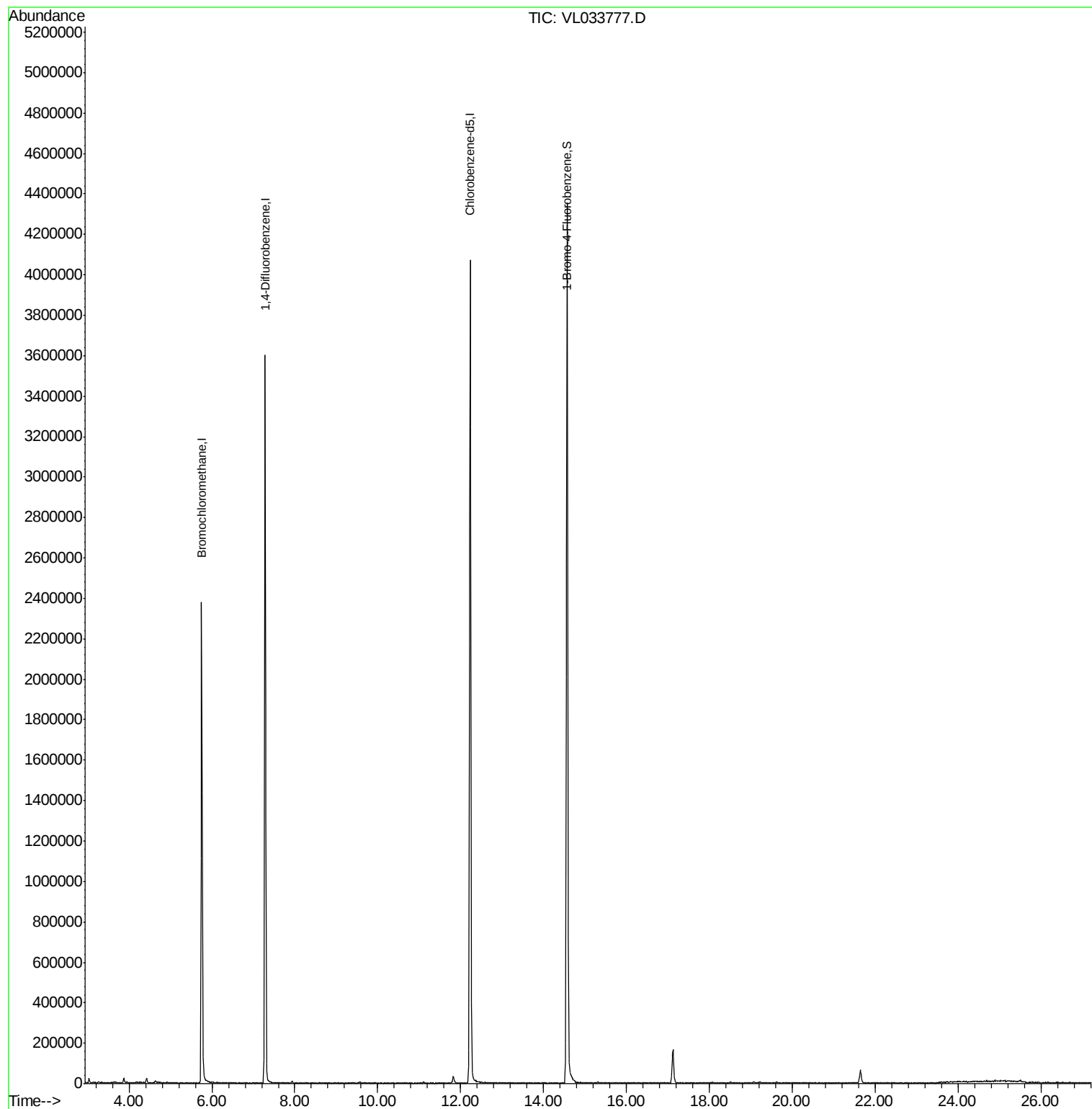
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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MSVOA\_L

ClientSampleId :

VIBLK

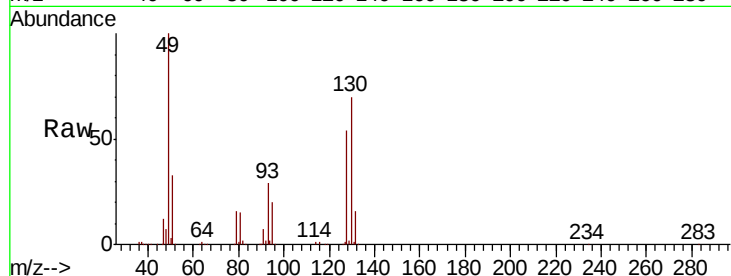
Tot Ion: 49 Resp: 1083685

Ion Ratio Lower Upper

49 100

128 53.2 25.2 75.6

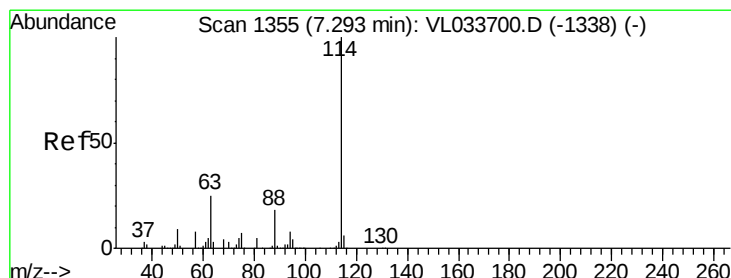
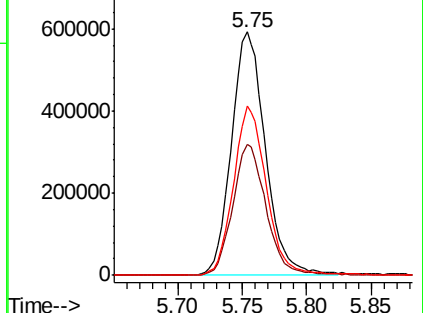
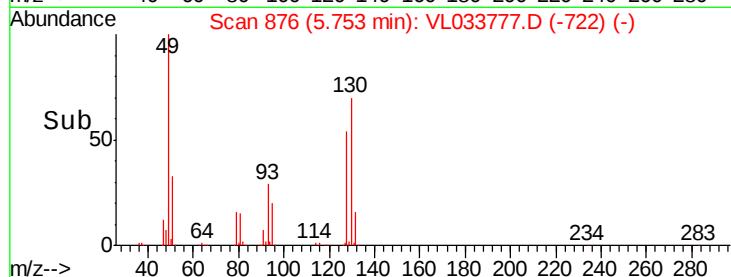
130 68.4 32.5 97.5



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: VL033777.D

Acq: 23 May 2019 17:26

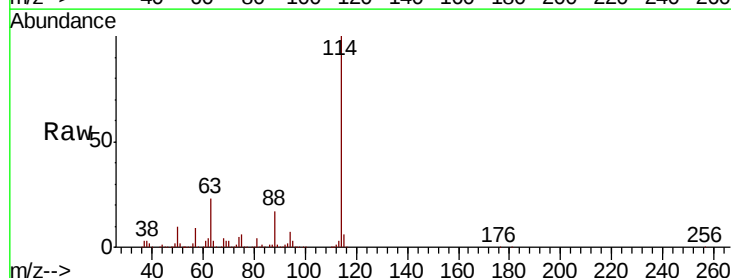
Tgt Ion: 114 Resp: 2729680

Ion Ratio Lower Upper

114 100

63 23.6 20.9 31.3

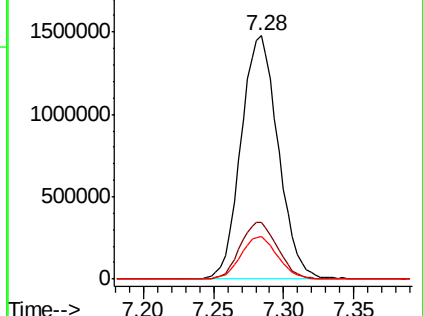
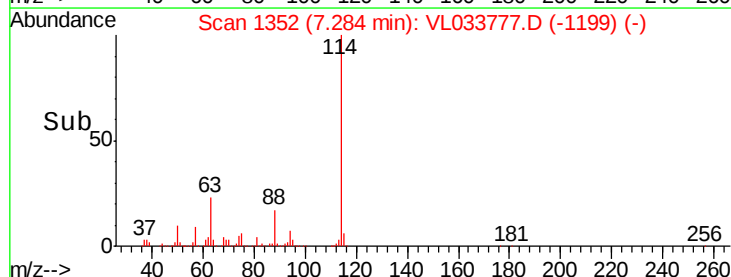
88 17.4 14.3 21.5

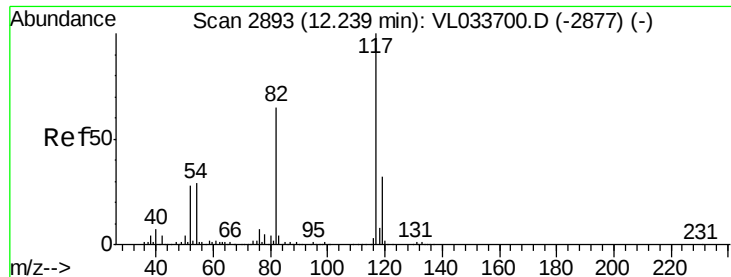


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

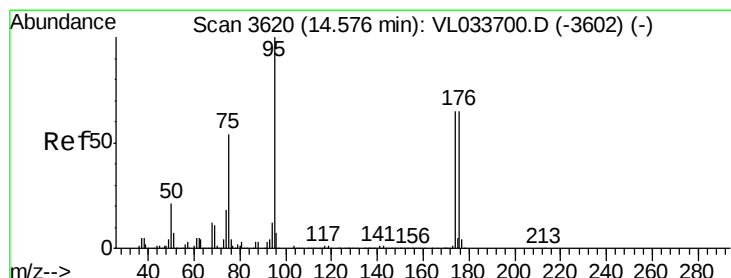
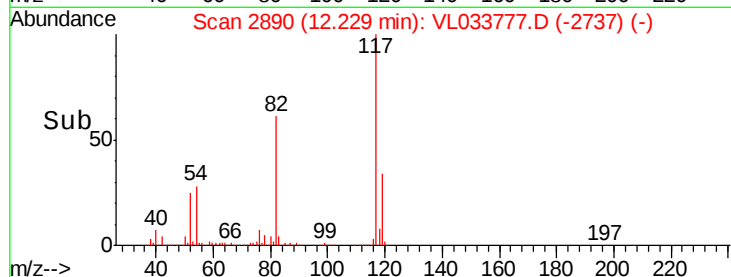
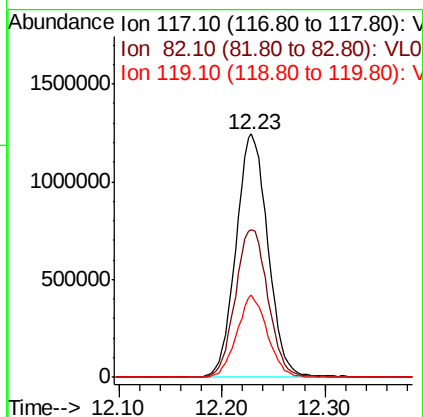
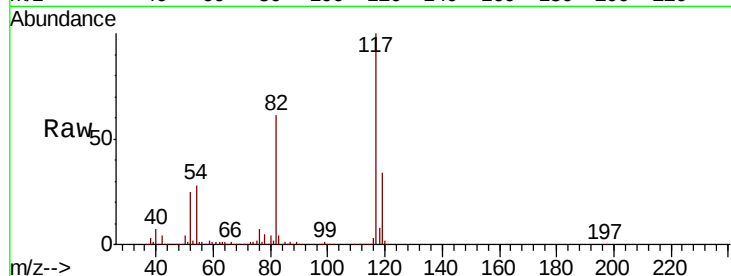




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.23 min Scan# 2890  
Delta R.T. -0.01 min  
Lab File: VL033777.D  
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ClientSampleId :  
VIBLK

Tot Ion:117 Resp: 2679472  
Ion Ratio Lower Upper  
117 100  
82 62.8 49.4 74.0  
119 32.6 24.9 37.3



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.916 ppbv  
RT: 14.57 min Scan# 3617  
Delta R.T. -0.01 min  
Lab File: VL033777.D  
Acq: 23 May 2019 17:26

Tgt Ion: 95 Resp: 2153889  
Ion Ratio Lower Upper  
95 100  
174 69.8 53.9 80.9  
175 5.0 3.8 5.8

