

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL120718\  
Data File : VL032928.D  
Acq On : 7 Dec 2018 10:28  
Operator : SY/AP  
Sample : VL1207ABL01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1207ABL01

Quant Time: Dec 08 03:07:24 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   | 5.76  | 49   | 1105088  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 2934515  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 2763277  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 2062482  | 10.10    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.00% |

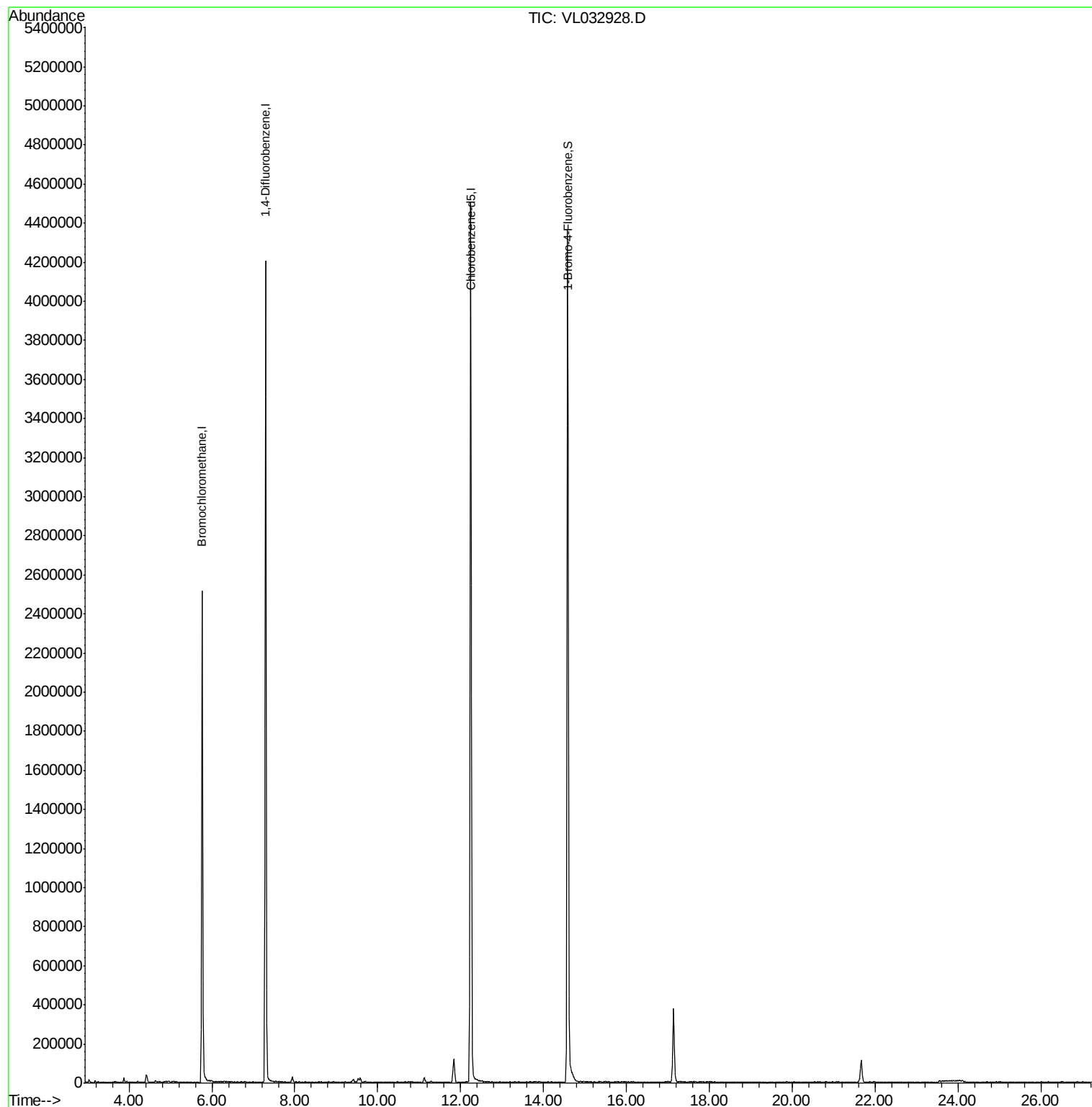
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

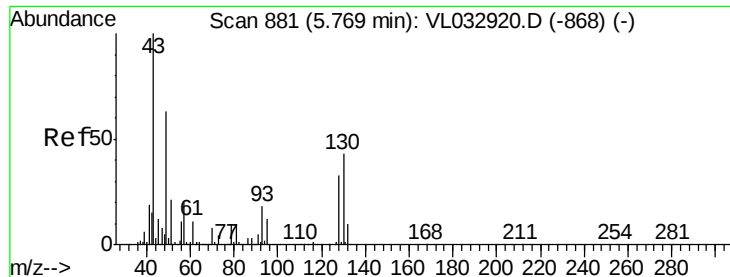
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 09:35:17 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032928.D

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Instrument :

MSVOA\_L

ClientSampleId :

VL1207ABL01

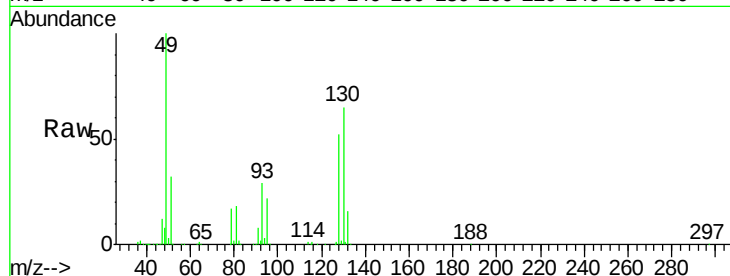
Tgt Ion: 49 Resp: 1105088

Ion Ratio Lower Upper

49 100

128 52.9 26.3 78.8

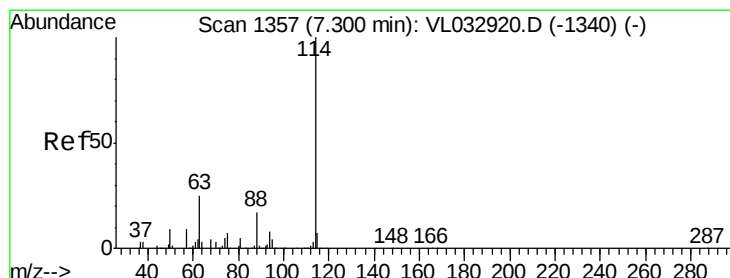
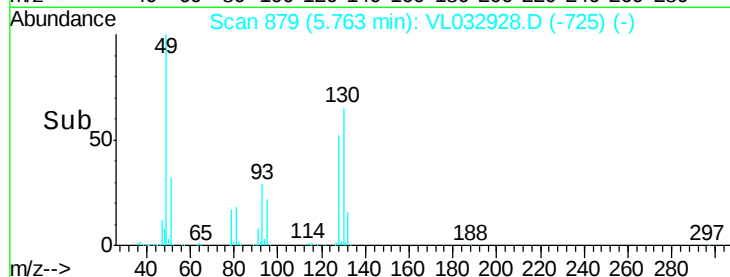
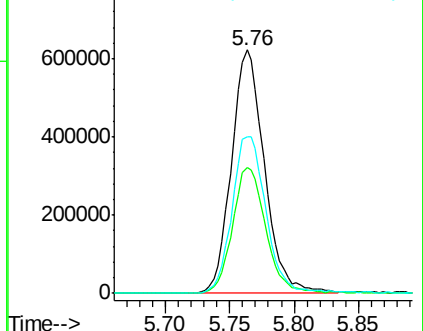
130 67.2 33.9 101.7



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: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032928.D

Acq: 7 Dec 2018 10:28

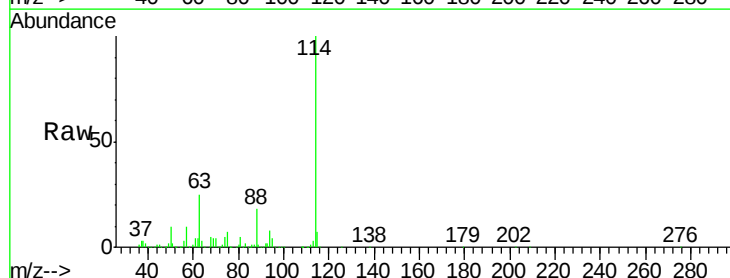
Tgt Ion: 114 Resp: 2934515

Ion Ratio Lower Upper

114 100

63 24.8 20.1 30.1

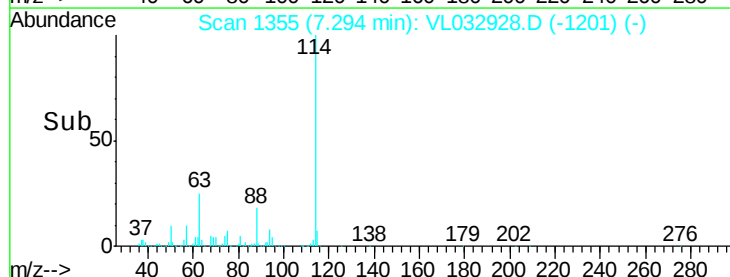
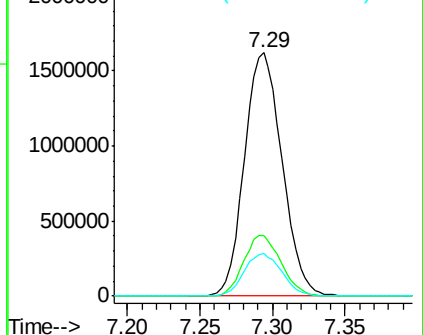
88 17.7 14.2 21.4

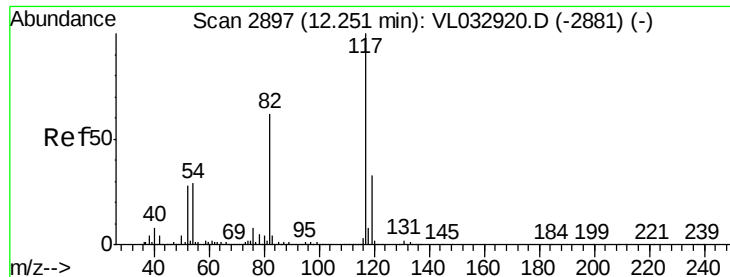


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

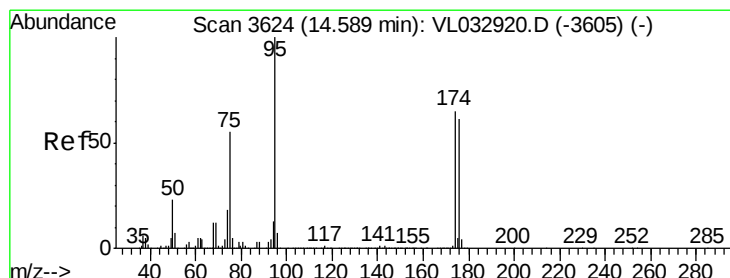
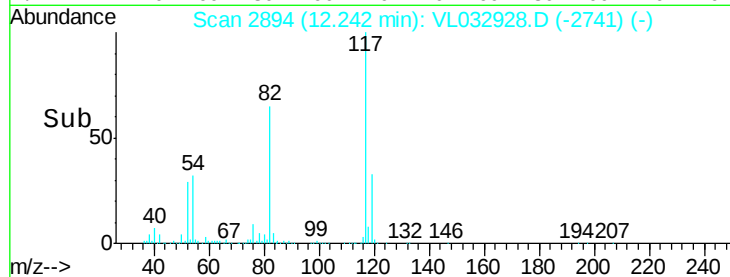
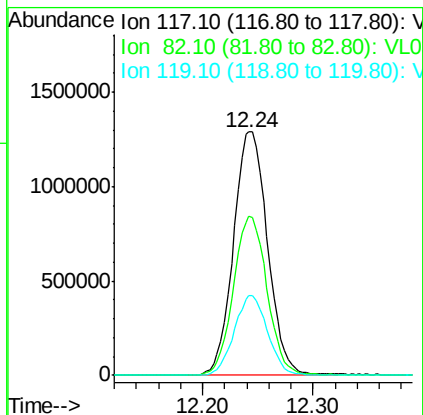
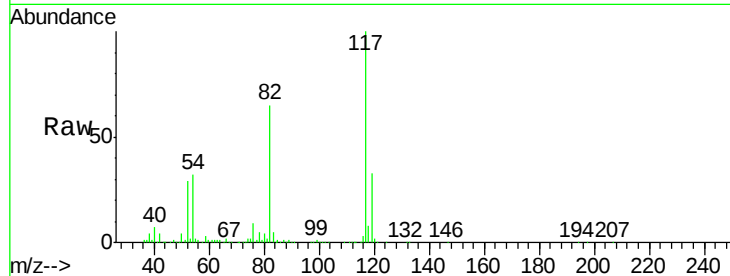




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.24 min Scan# 2894  
Delta R.T. -0.01 min  
Lab File: VL032928.D  
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Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1207ABL01

Tgt Ion: 117 Resp: 2763277  
Ion Ratio Lower Upper  
117 100  
82 64.9 47.8 71.8  
119 32.3 43.1 64.7#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.103 ppbv  
RT: 14.58 min Scan# 3622  
Delta R.T. -0.01 min  
Lab File: VL032928.D  
Acq: 7 Dec 2018 10:28

Tgt Ion: 95 Resp: 2062482  
Ion Ratio Lower Upper  
95 100  
174 65.8 51.4 77.0  
175 4.7 3.8 5.6

