

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\  
Data File : VL033893.D  
Acq On : 7 Jun 2019 17:38  
Operator : SY/AP  
Sample : CAN 10150  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10150

Quant Time: Jun 09 21:55:30 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   | 5.75  | 49   | 774923   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.27  | 114  | 1771665  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.22 | 117  | 1762578  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.56  | 95    | 1442974  | 9.97     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.70% |

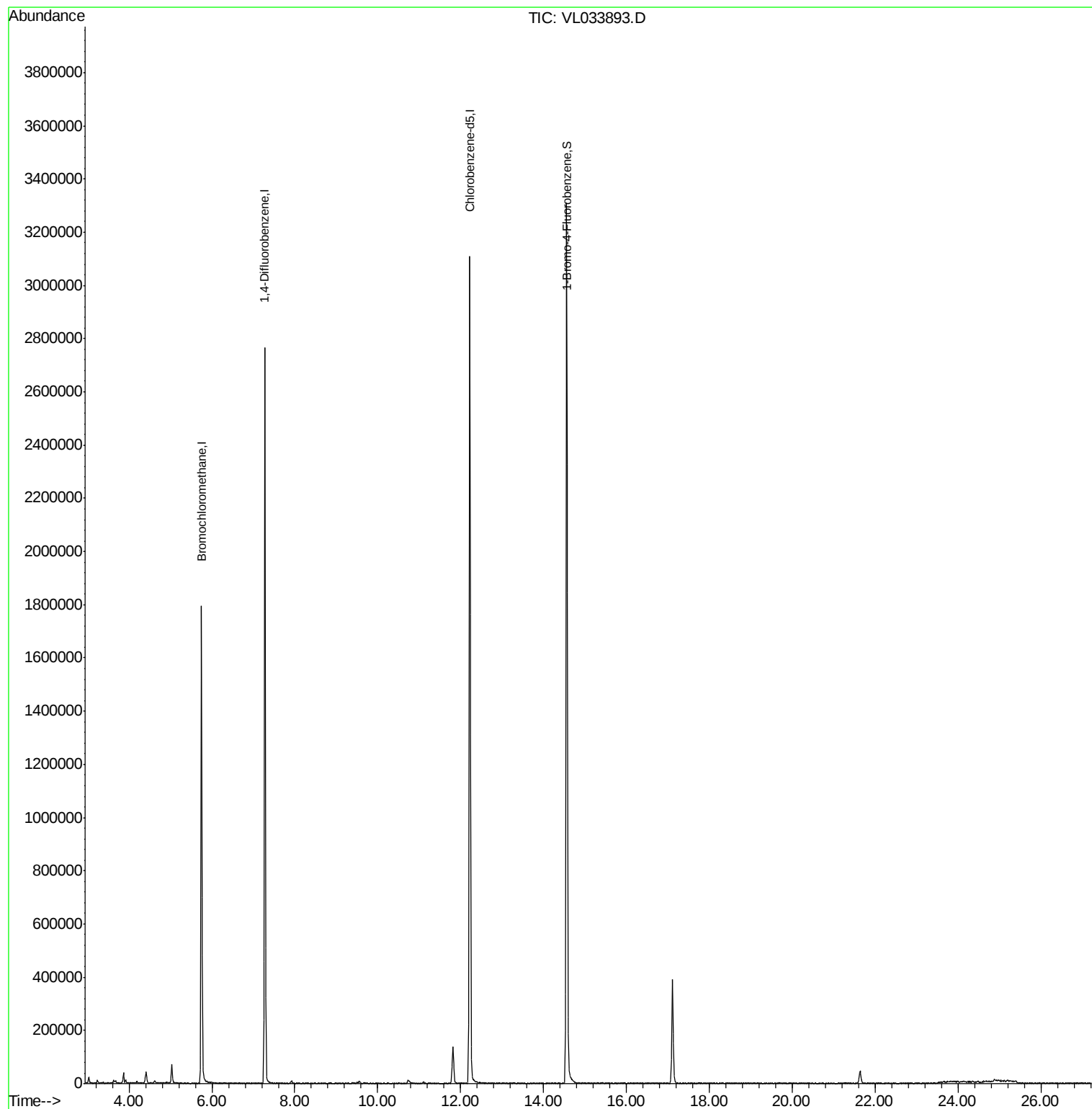
| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

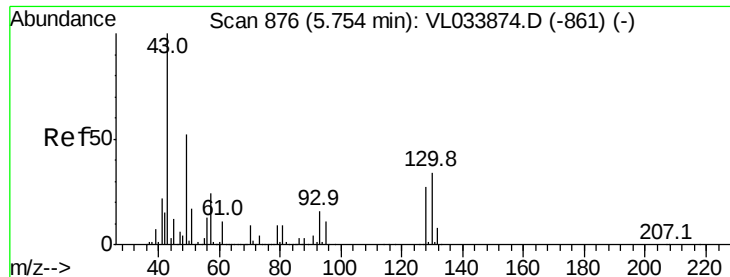
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

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Instrument :

MSVOA\_L

ClientSampleId :

CAN 10150

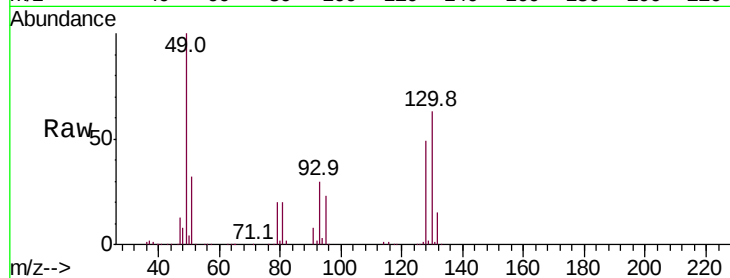
Tot Ion: 49 Resp: 774923

Ion Ratio Lower Upper

49 100

128 48.9 25.5 76.5

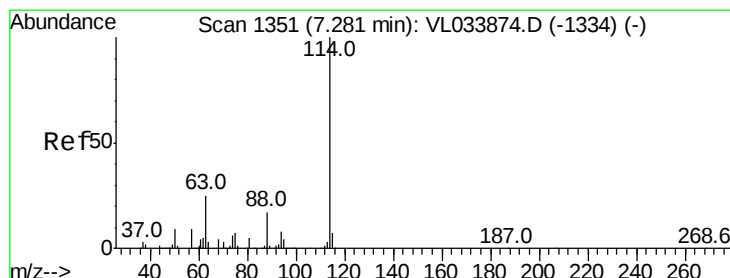
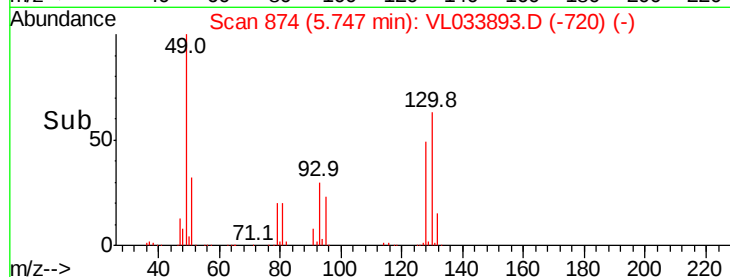
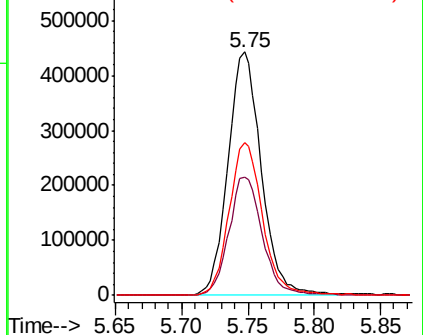
130 63.2 32.5 97.4



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: 7.27 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL033893.D

Acq: 7 Jun 2019 17:38

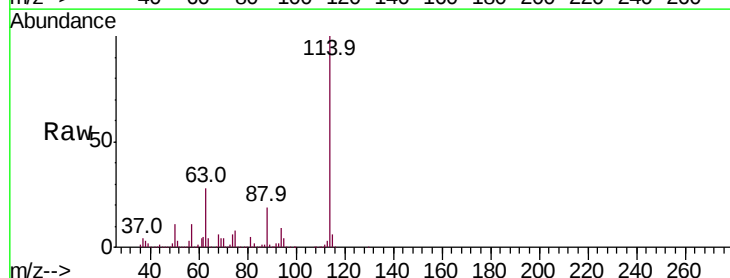
Tgt Ion: 114 Resp: 1771665

Ion Ratio Lower Upper

114 100

63 26.7 21.1 31.7

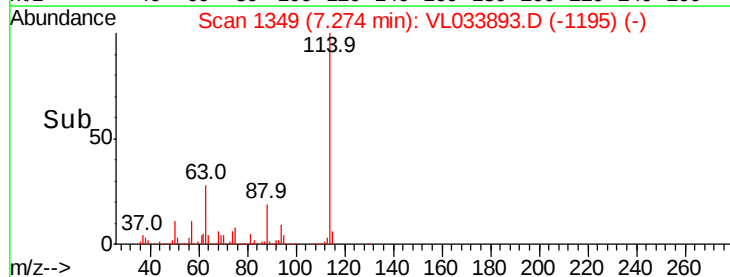
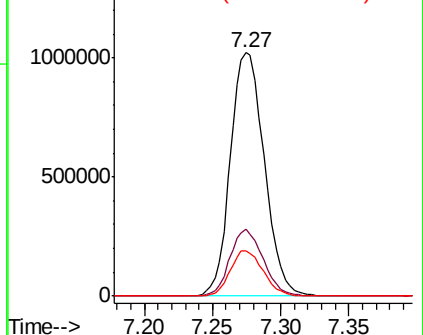
88 18.2 14.2 21.4

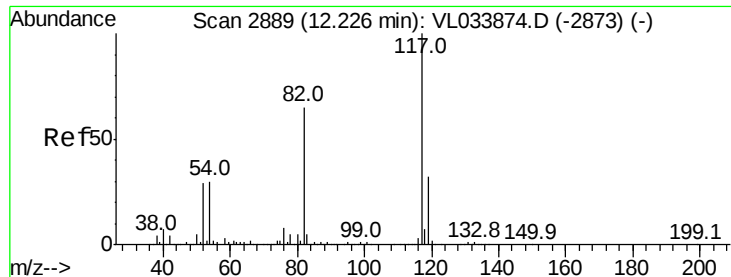


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

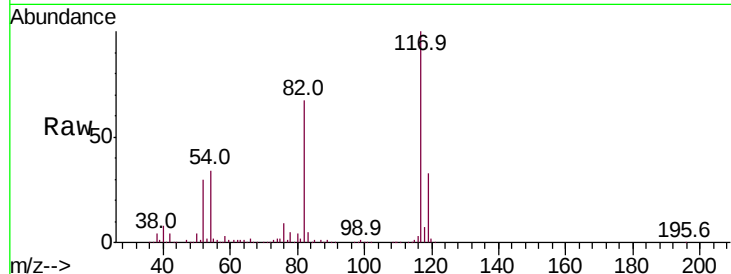




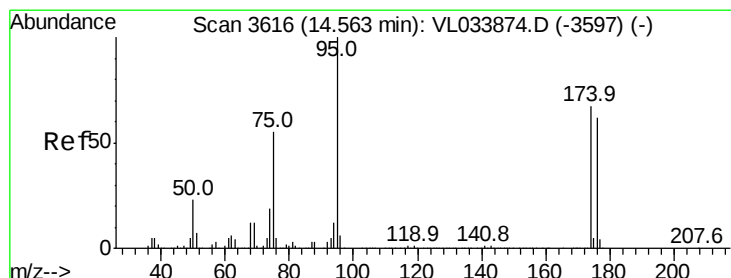
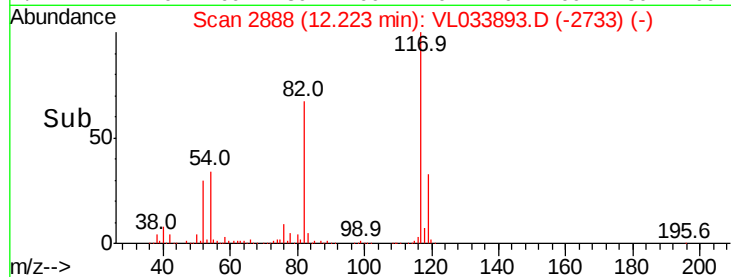
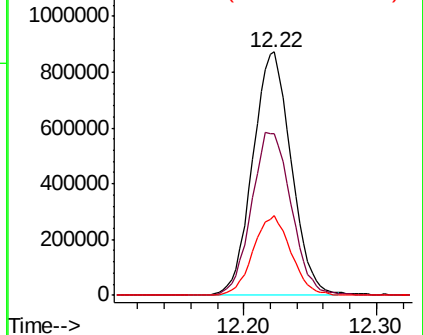
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.22 min Scan# 2888  
Delta R.T. -0.00 min  
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Tot Ion:117 Resp: 1762578  
Ion Ratio Lower Upper  
117 100  
82 69.3 50.2 75.2  
119 32.3 24.8 37.2

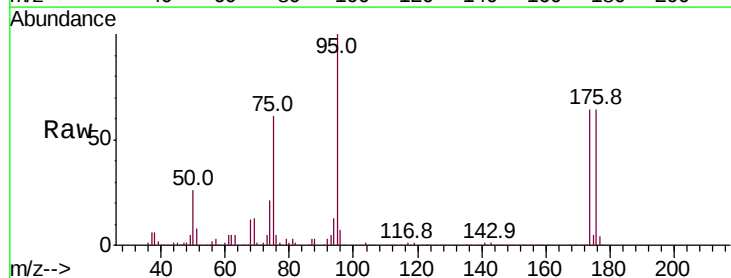


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.967 ppbv  
RT: 14.56 min Scan# 3614  
Delta R.T. -0.01 min  
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Tgt Ion: 95 Resp: 1442974  
Ion Ratio Lower Upper  
95 100  
174 64.9 54.0 81.0  
175 4.6 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

