

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\  
 Data File : VL035295.D  
 Acq On : 31 Jul 2020 1:43  
 Operator : SY/AP  
 Sample : VL0731ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0731ABL01

Quant Time: Jul 31 06:17:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LWed Jul 29 07:14:29 2020  
 QLast Update : Wed Jul 29 07:14:29 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1037248  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2568108  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2407531  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1929831  | 10.03    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.30% |

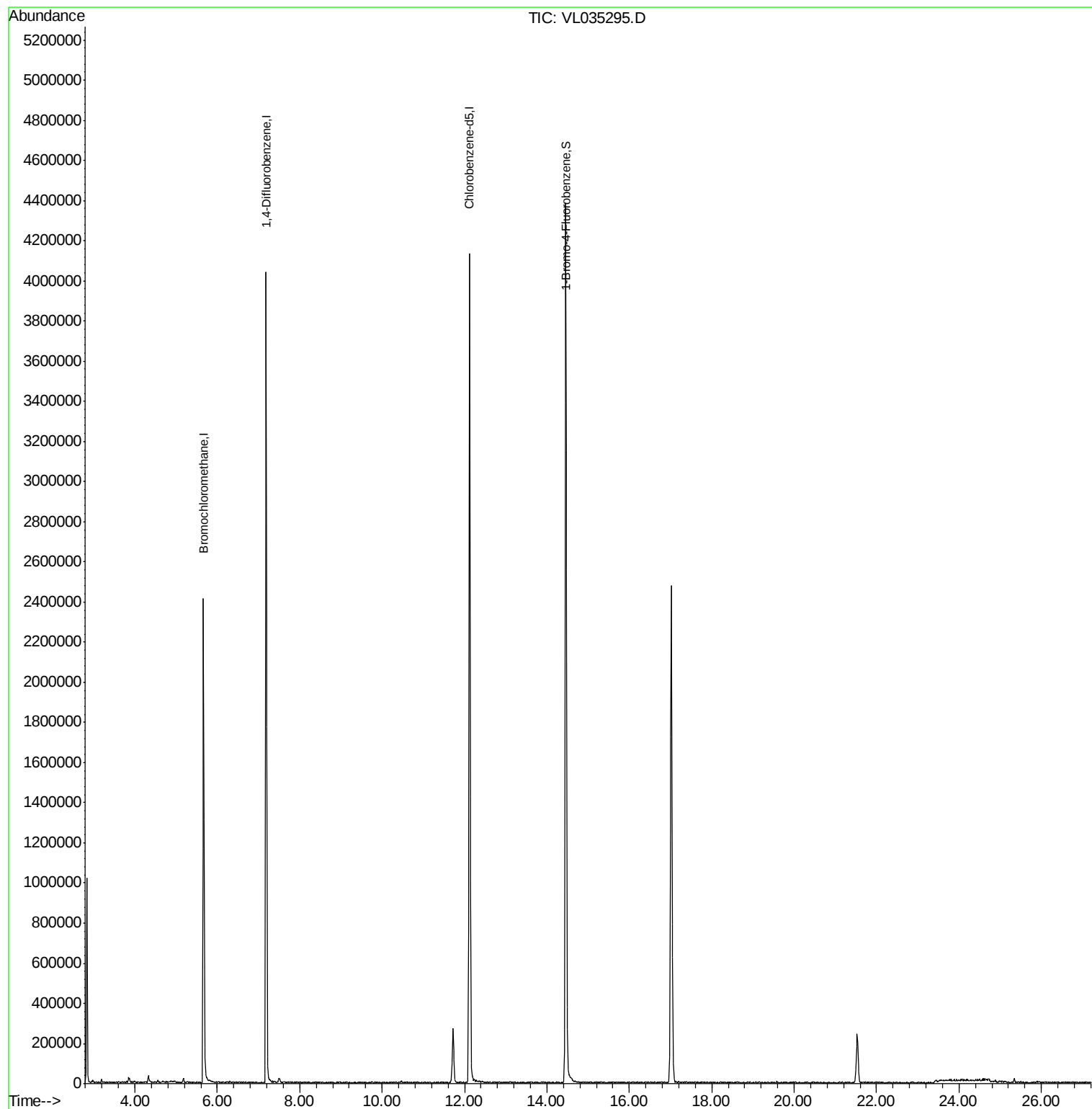
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

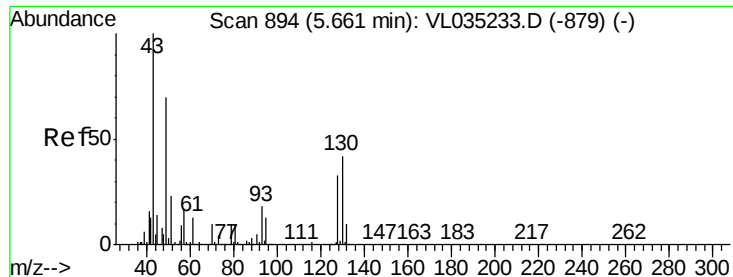
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL073120\  
Data File : VL035295.D  
Acq On : 31 Jul 2020 1:43  
Operator : SY/AP  
Sample : VL0731ABL01  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0731ABL01

Quant Time: Jul 31 06:17:00 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 29 07:14:29 2020  
QLast Update : Wed Jul 29 07:14:29 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035295.D

Acq: 31 Jul 2020 1:43

Instrument :

MSVOA\_L

ClientSampleId :

VL0731ABL01

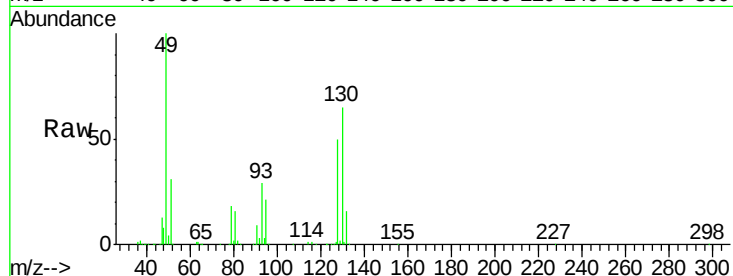
Tot Ion: 49 Resp: 1037248

Ion Ratio Lower Upper

49 100

128 51.7 24.0 72.0

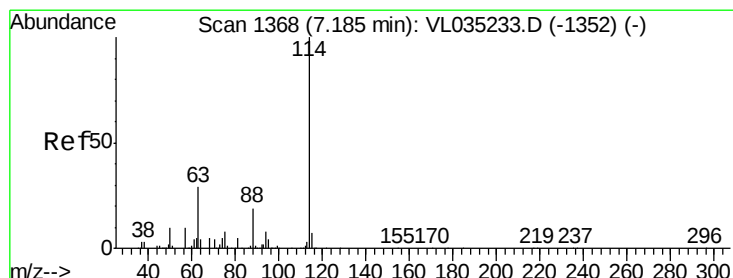
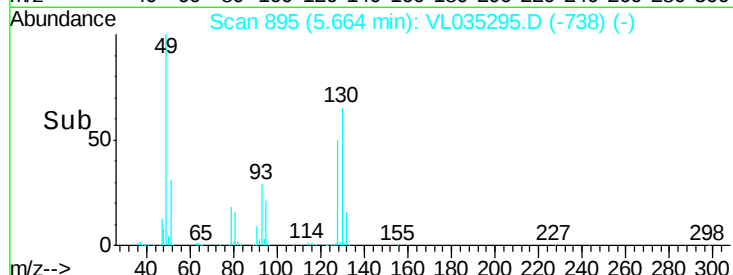
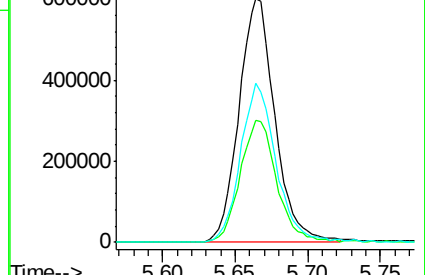
130 65.6 30.7 92.1



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: 7.19 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VL035295.D

Acq: 31 Jul 2020 1:43

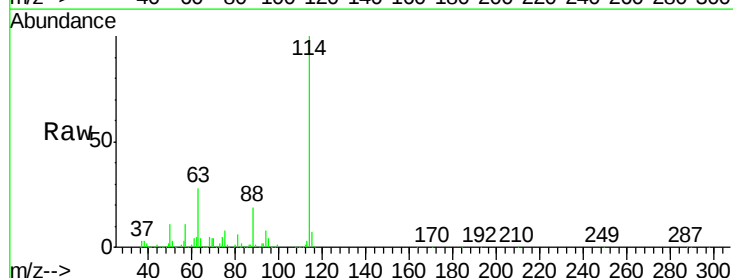
Tgt Ion: 114 Resp: 2568108

Ion Ratio Lower Upper

114 100

63 27.2 22.2 33.2

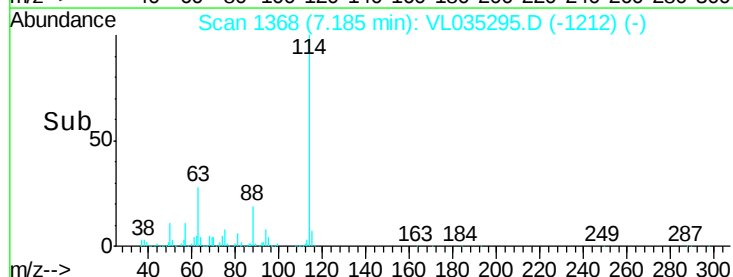
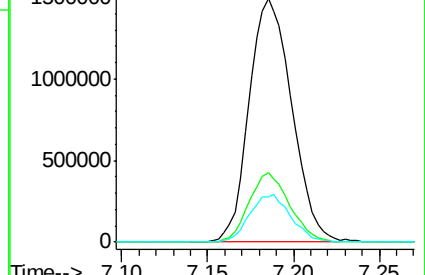
88 19.0 15.4 23.0

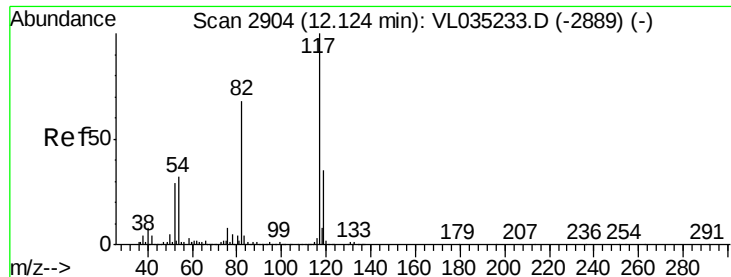


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

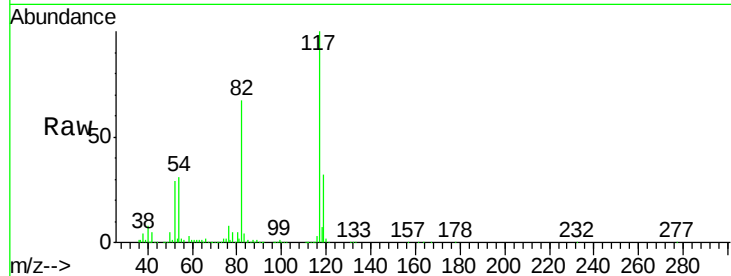




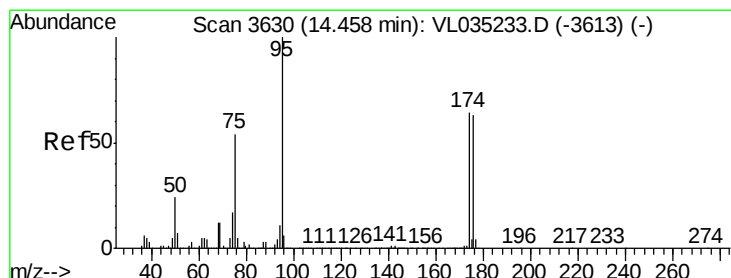
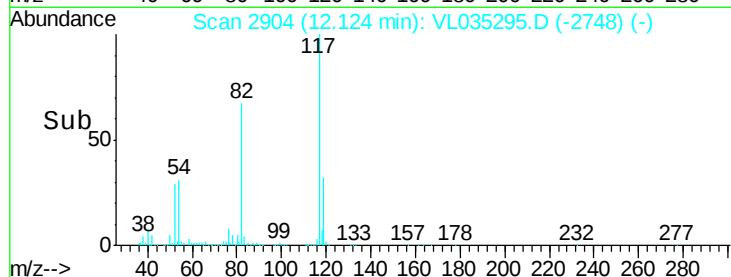
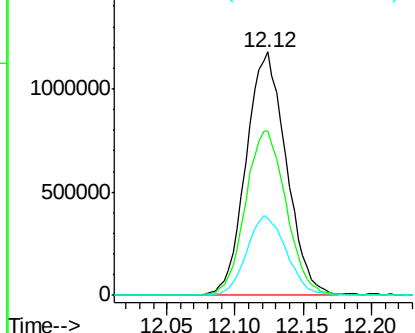
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.12 min Scan# 2904  
Delta R.T. 0.00 min  
Lab File: VL035295.D  
Acq: 31 Jul 2020 1:43

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0731ABL01

Tot Ion:117 Resp: 2407531  
Ion Ratio Lower Upper  
117 100  
82 68.8 52.4 78.6  
119 32.5 24.6 36.8

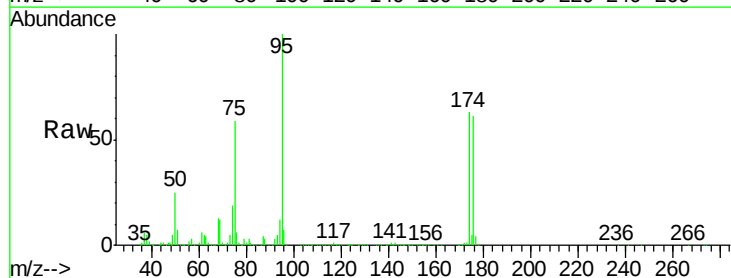


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): V  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.031 ppbv  
RT: 14.46 min Scan# 3630  
Delta R.T. 0.00 min  
Lab File: VL035295.D  
Acq: 31 Jul 2020 1:43

Tgt Ion: 95 Resp: 1929831  
Ion Ratio Lower Upper  
95 100  
174 65.2 52.7 79.1  
175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): V  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

