

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL021622\  
Data File : VL038364.D  
Acq On : 16 Feb 2022 13:22  
Operator : SY/AP  
Sample : VL0216ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0216ABL01

Quant Time: Feb 17 06:31:14 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Mon Jan 24 14:12:48 2022  
QLast Update : Mon Jan 24 14:12:48 2022  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.63  | 49   | 935473   | 10.00 | ppbv  | -0.05    |
| 33) 1,4-Difluorobenzene | 7.13  | 114  | 2249700  | 10.00 | ppbv  | -0.05    |
| 55) Chlorobenzene-d5    | 12.03 | 117  | 1974345  | 10.00 | ppbv  | -0.05    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.37  | 95    | 1619214  | 10.81    | ppbv | -0.05   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 108.10% |

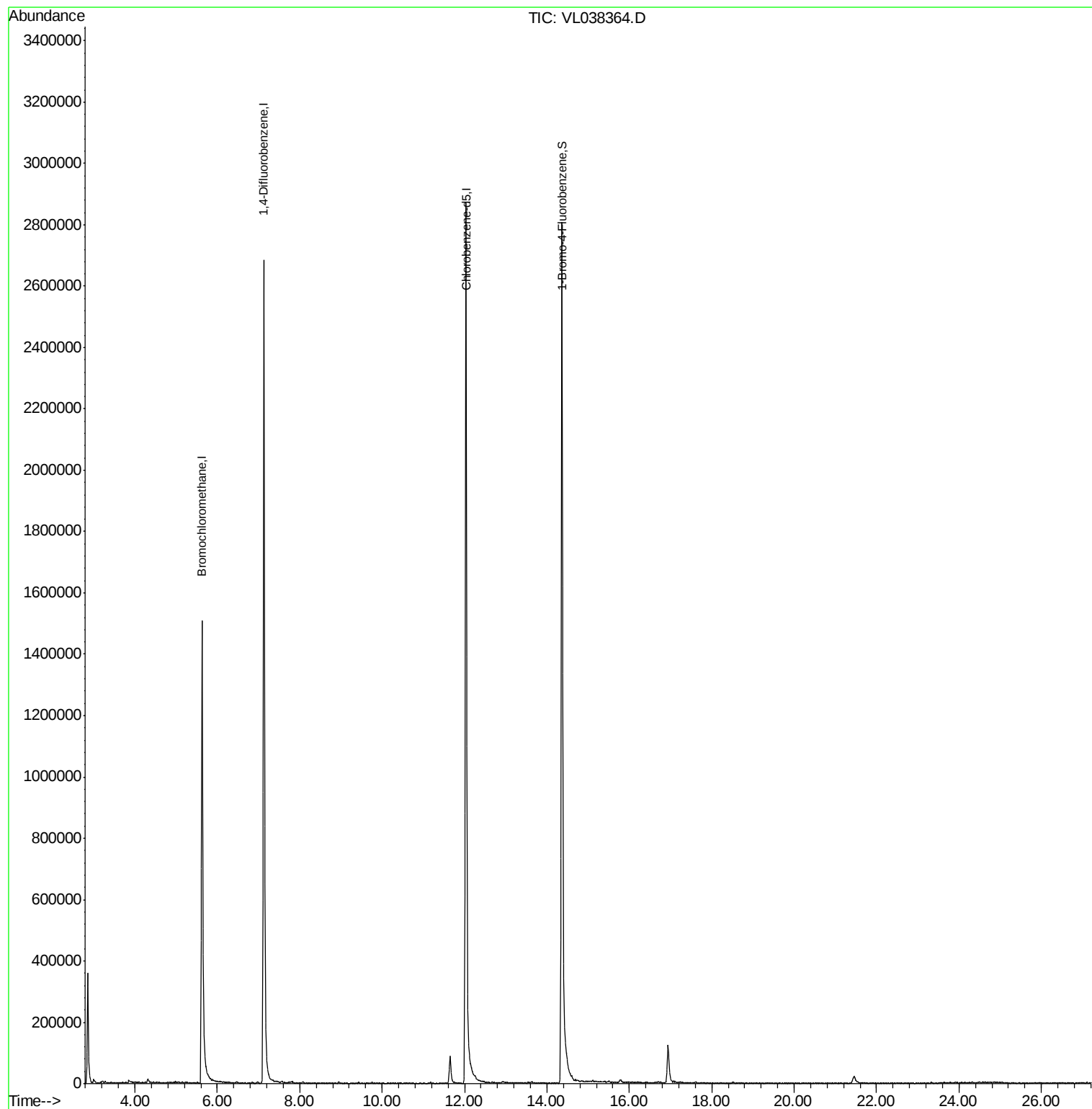
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

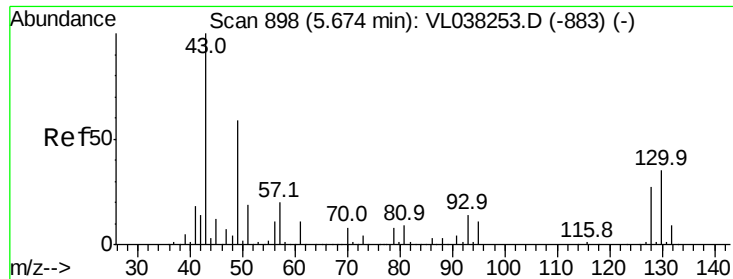
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL021622\  
Data File : VL038364.D  
Acq On : 16 Feb 2022 13:22  
Operator : SY/AP  
Sample : VL0216ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0216ABL01

Quant Time: Feb 17 06:31:14 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 14:12:48 2022  
QLast Update : Mon Jan 24 14:12:48 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.63 Instrument: MSVOA\_1

Delta R.T.:

Lab File: ClientSampleId: VL0216ABL01

Acq: 16 Feb 2022 13:22

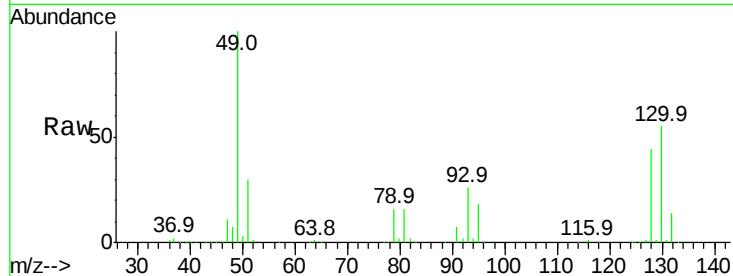
Tgt Ion: 49 Resp: 935473

Ion Ratio Lower Upper

49 100

128 46.8 24.5 73.5

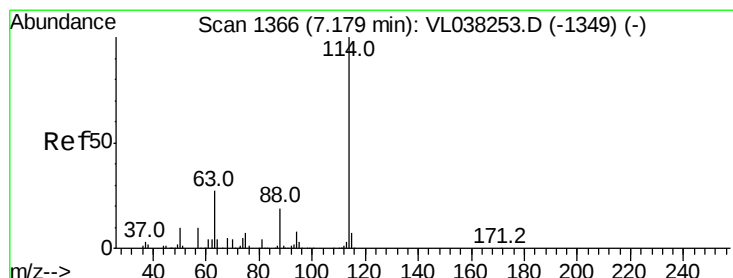
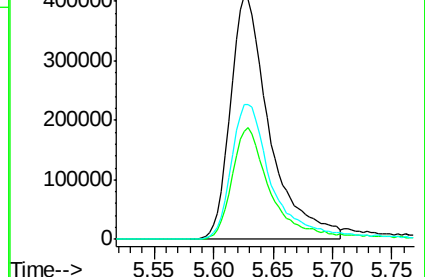
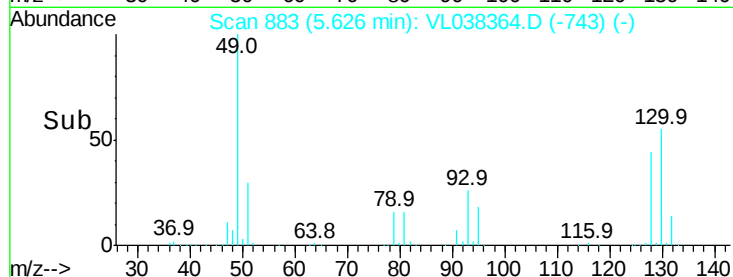
130 58.7 30.1 90.5



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: 10.00 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.05 min

Lab File: VL038364.D

Acq: 16 Feb 2022 13:22

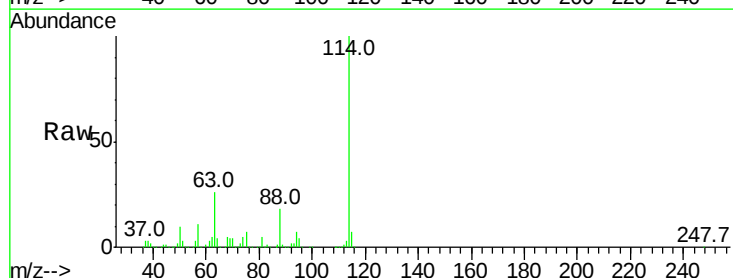
Tgt Ion: 114 Resp: 2249700

Ion Ratio Lower Upper

114 100

63 27.3 22.0 33.0

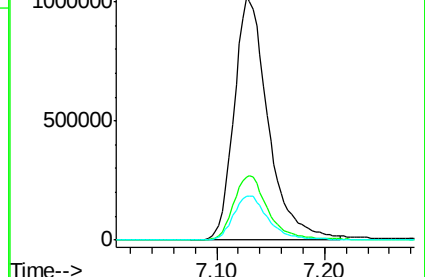
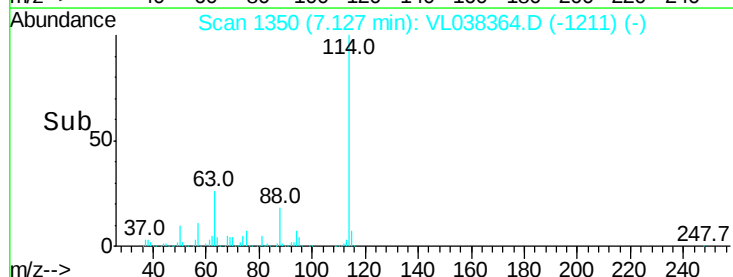
88 18.8 15.0 22.6

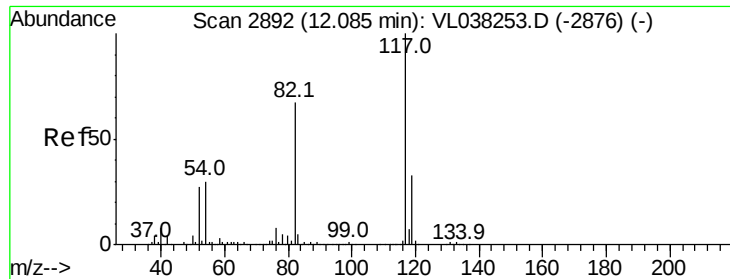


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.03

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 13:22

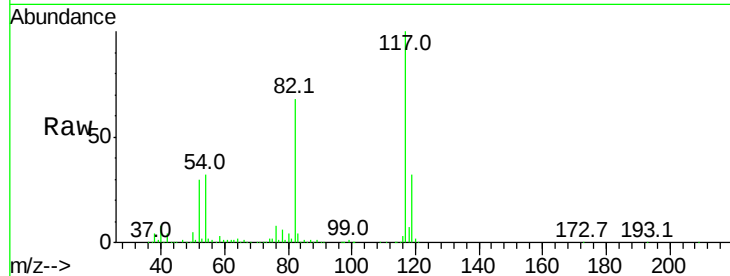
Tgt Ion: 117 Resp: 1974345

Ion Ratio Lower Upper

117 100

82 71.4 54.4 81.6

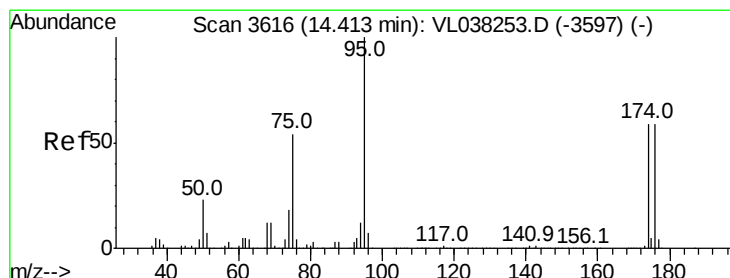
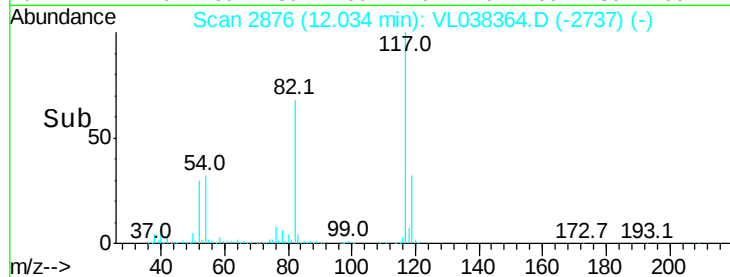
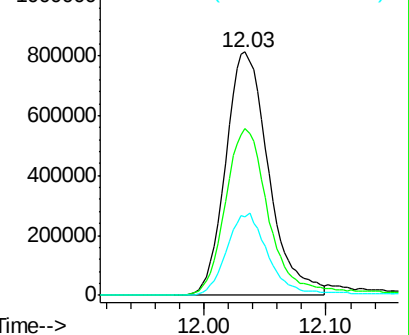
119 34.7 45.9 68.9#



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: 10.81 ppbv

RT: 14.37 min Scan# 3601

Delta R.T. -0.05 min

Lab File: VL038364.D

Acq: 16 Feb 2022 13:22

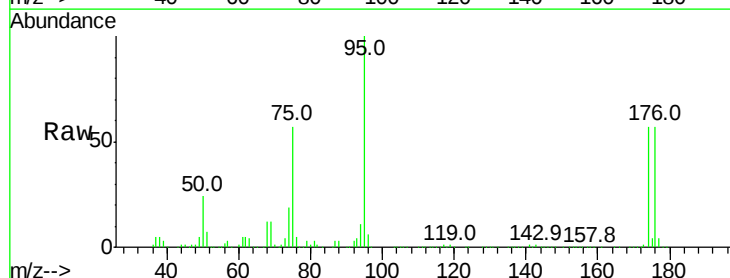
Tgt Ion: 95 Resp: 1619214

Ion Ratio Lower Upper

95 100

174 61.6 48.3 72.5

175 4.3 3.5 5.3



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

