

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100721\  
 Data File : VL037824.D  
 Acq On : 8 Oct 2021 9:42  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

apatel  
 10/14/2021 1:19:07 PM

Quant Time: Oct 09 18:11:45 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Mon Oct 0  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1277054  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3772060  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3117534  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2244789  | 10.30    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.00% |

| Target Compounds       |      |    |        |       | Qvalue |
|------------------------|------|----|--------|-------|--------|
| 15) Acetone            | 3.87 | 43 | 35404m | 0.309 | ppbv   |
| 20) Methylene Chloride | 4.34 | 84 | 18798m | 0.325 | ppbv   |

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

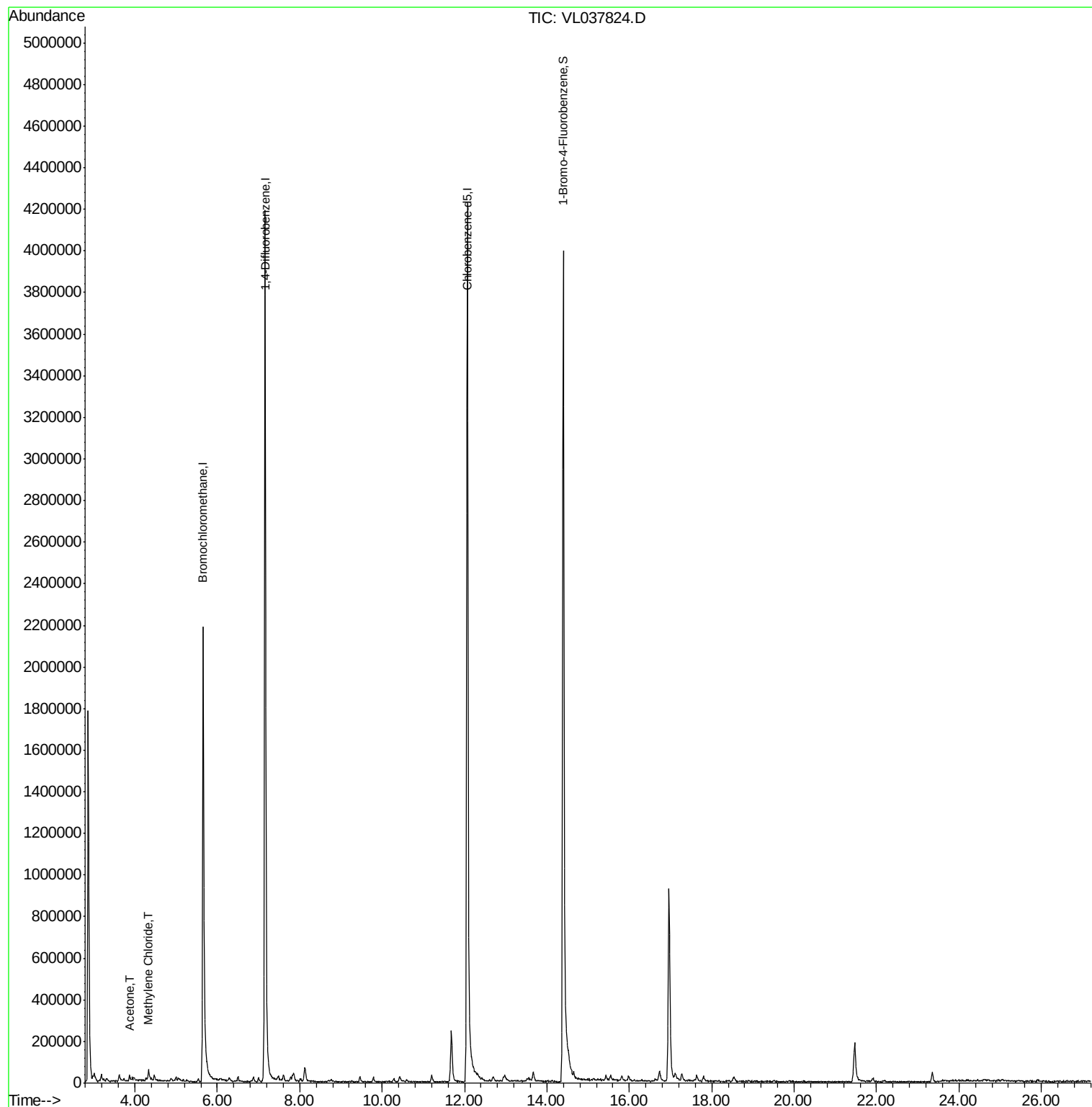
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL100721\  
Data File : VL037824.D  
Acq On : 8 Oct 2021 9:42  
Operator : SY/AP  
Sample : VIBLK  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

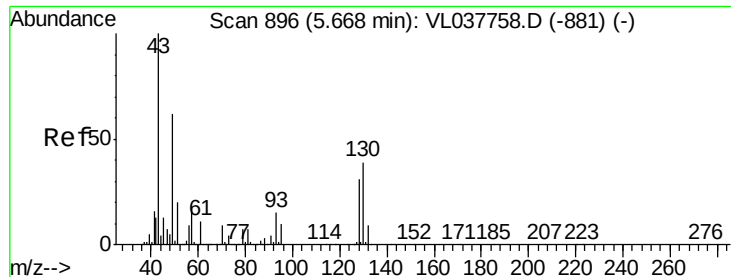
Instrument :  
MSVOA\_L  
ClientSampleID :  
VIBLK

Manual Integrations  
APPROVED

apatel  
10/14/2021 1:19:07 PM

Quant Time: Oct 09 18:11:45 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct  
QLast Update : Mon Oct 04 17:43:54 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037824.D

Acq: 8 Oct 2021 9:42

Instrument :

MSVOA\_L

ClientSampled :

VIBLK

Tgt Ion: 49 Resp: 1277054

Ion Ratio Lower Upper

49 100

128 54.0 27.1 81.3

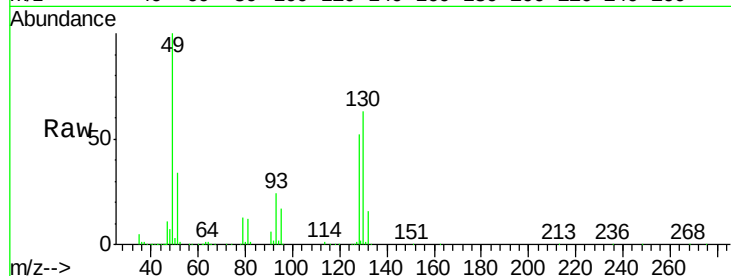
130 68.7 33.2 99.6

Manual Integrations

APPROVED

apatel

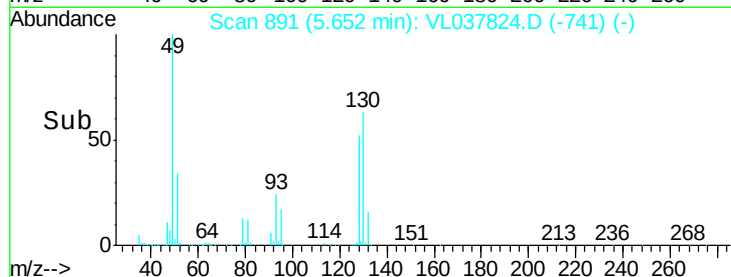
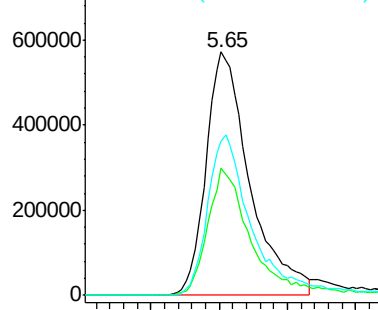
10/14/2021 1:19:07 PM



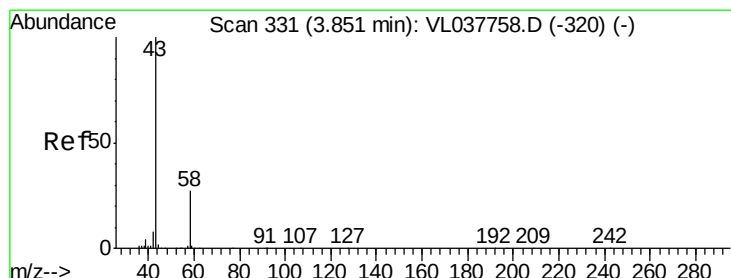
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#15

Acetone

Concen: 0.309 ppbv m

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL037824.D

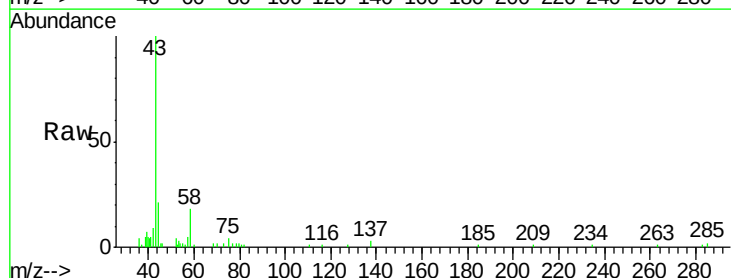
Acq: 8 Oct 2021 9:42

Tgt Ion: 43 Resp: 35404

Ion Ratio Lower Upper

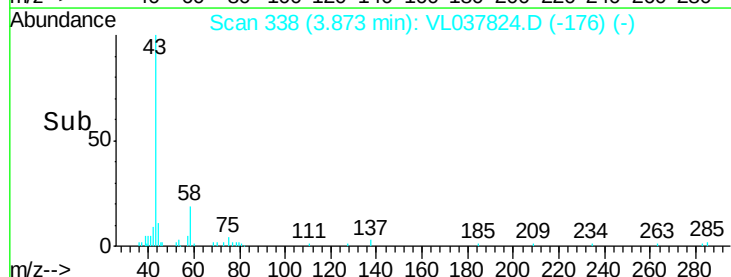
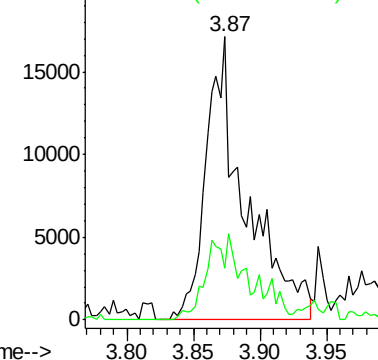
43 100

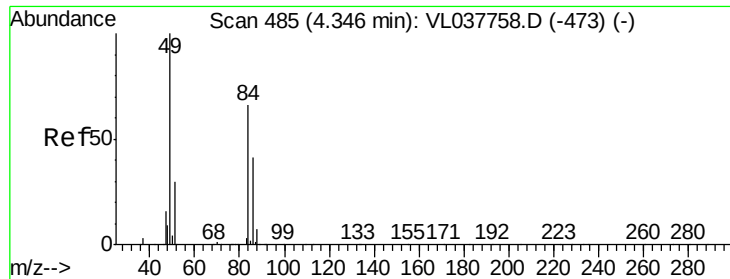
58 0.0 23.0 34.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





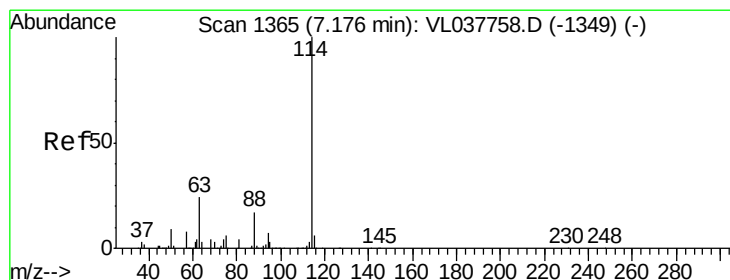
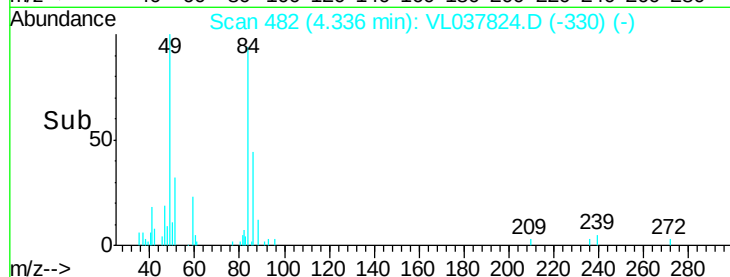
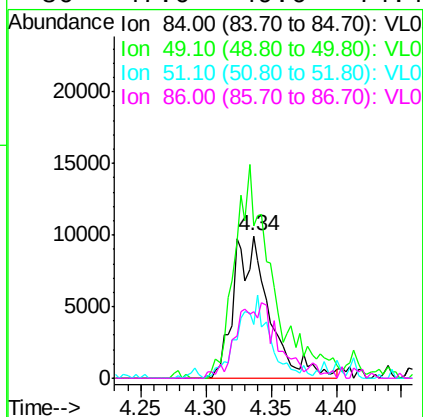
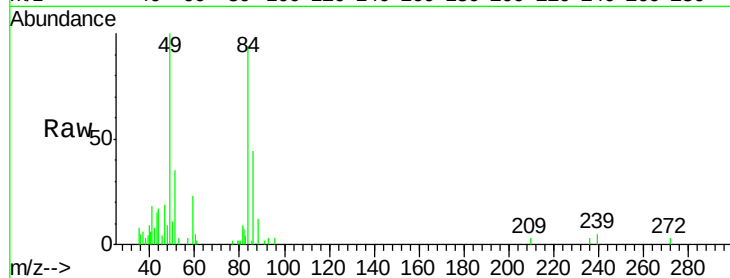
#20  
Methylene Chloride  
Concen: 0.325 ppbv  
RT: 4.34 min Scan# 482  
Delta R.T. -0.01 min  
Lab File: VL037824.D  
Acq: 8 Oct 2021 9:42

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 84      | 100   |       |        |
| 49      | 106.8 | 120.7 | 181.1# |
| 51      | 37.7  | 36.2  | 54.4   |
| 86      | 47.0  | 49.6  | 74.4#  |

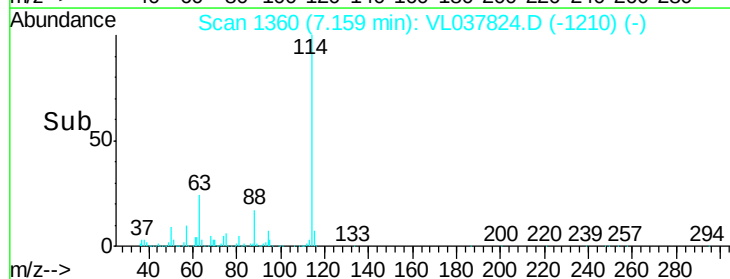
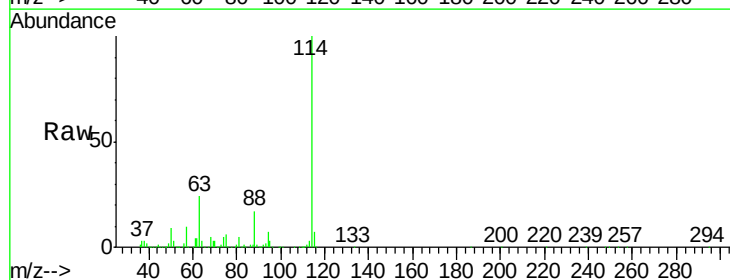
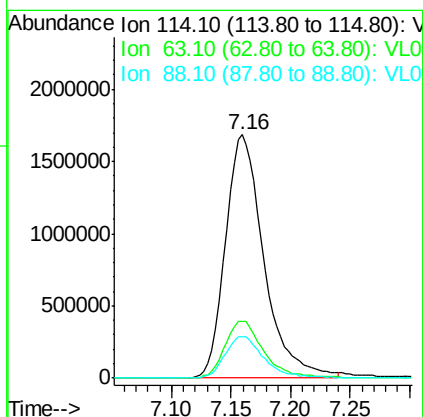
Manual Integrations  
APPROVED

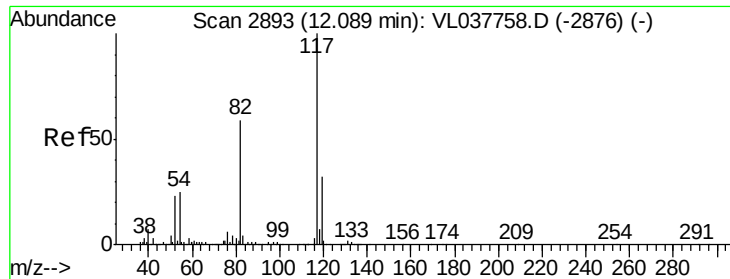
apatel  
10/14/2021 1:19:07 PM



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. -0.02 min  
Lab File: VL037824.D  
Acq: 8 Oct 2021 9:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.1  | 19.4  | 29.2  |
| 88      | 17.6  | 14.4  | 21.6  |





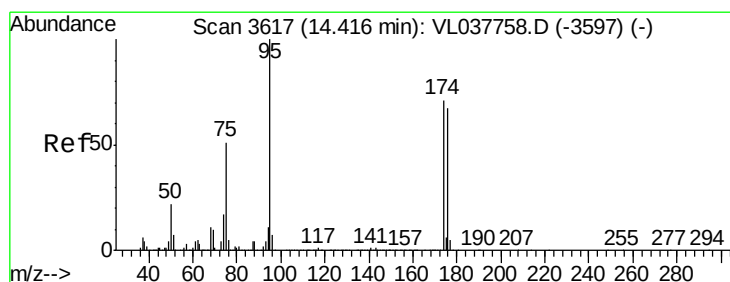
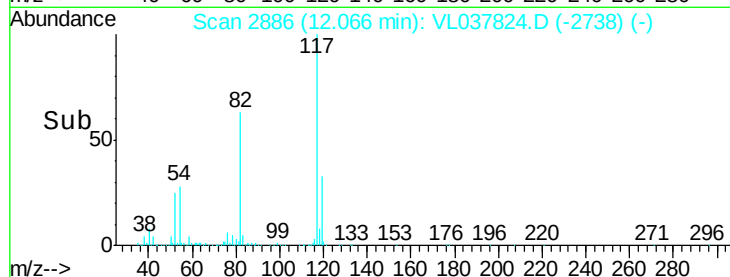
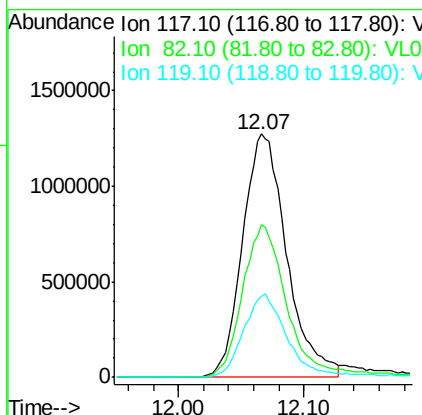
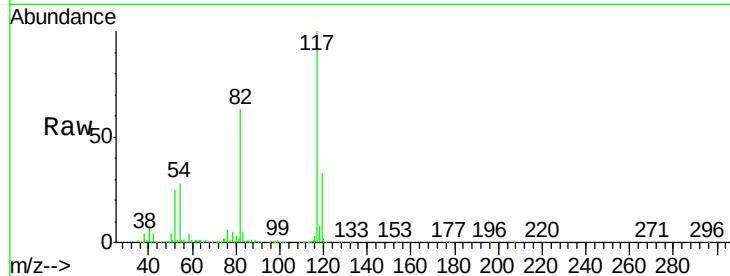
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.07 min Scan# 2886  
Delta R.T. -0.02 min  
Lab File: VL037824.D  
Acq: 8 Oct 2021 9:42

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Tgt Ion: 117 Resp: 3117534  
Ion Ratio Lower Upper  
117 100  
82 65.5 52.2 78.2  
119 35.1 26.0 39.0

Manual Integrations  
APPROVED

apatel  
10/14/2021 1:19:07 PM



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.297 ppbv  
RT: 14.39 min Scan# 3610  
Delta R.T. -0.02 min  
Lab File: VL037824.D  
Acq: 8 Oct 2021 9:42

Tgt Ion: 95 Resp: 2244789  
Ion Ratio Lower Upper  
95 100  
174 75.9 57.8 86.6  
175 5.4 4.7 7.1

