

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\  
 Data File : VL037665.D  
 Acq On : 23 Sep 2021 16:39  
 Operator : SY/AP  
 Sample : CAN 10605  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Sep 24 06:36:38 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Sep 16 13:42:46 2021  
 QLast Update : Thu Sep 16 13:42:46 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1447113  | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 4272899  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3635900  | 10.00 | ppbv  | 0.02     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2544899  | 9.68     | ppbv | 0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.80% |

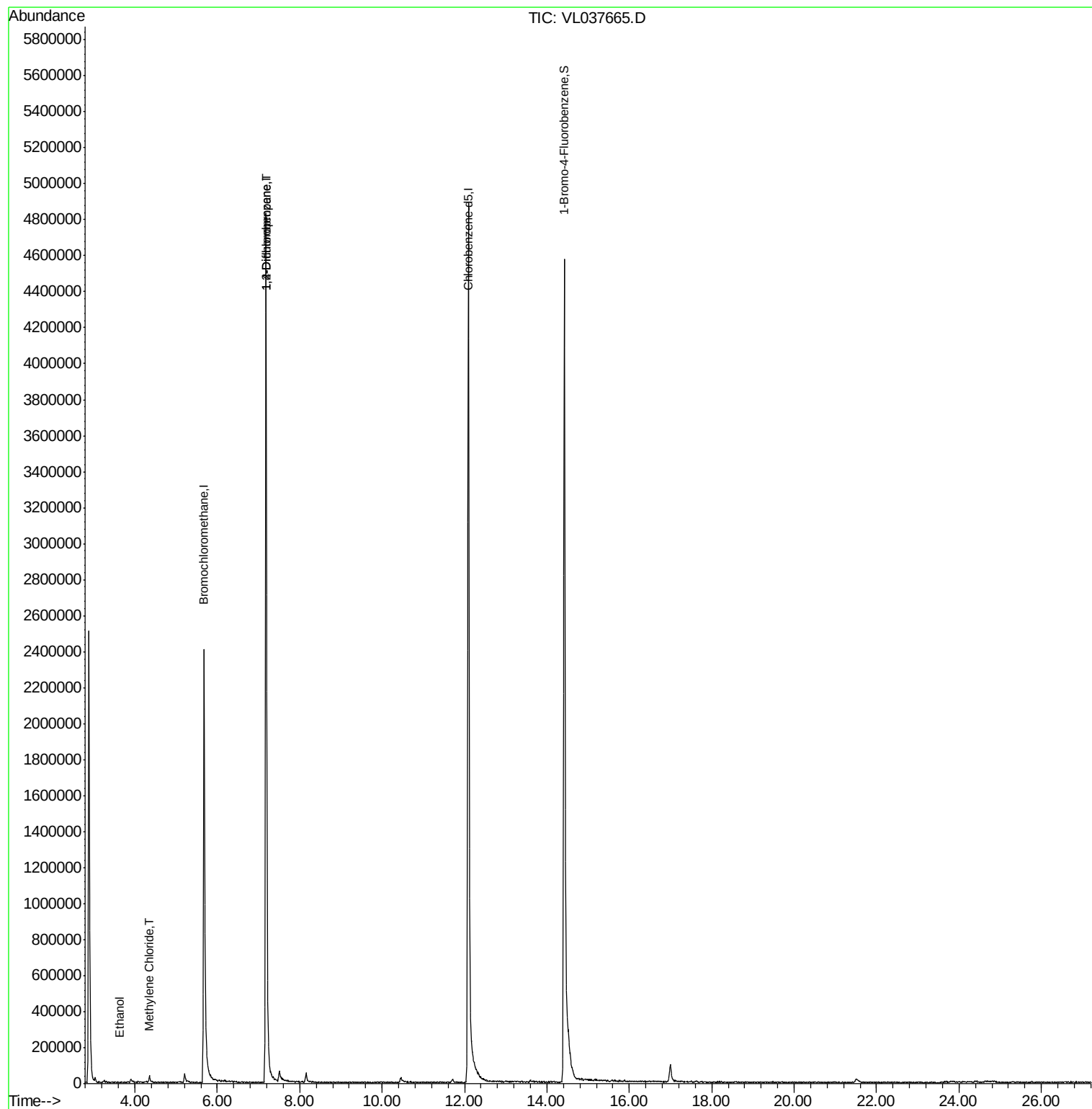
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 13) Ethanol             | 3.63 | 45   | 463      | 0.049 | ppbv # | 1      |
| 20) Methylene Chloride  | 4.35 | 84   | 7761     | 0.108 | ppbv # | 85     |
| 39) 1,2-Dichloropropane | 7.18 | 63   | 1005137  | 7.365 | ppbv # | 28     |

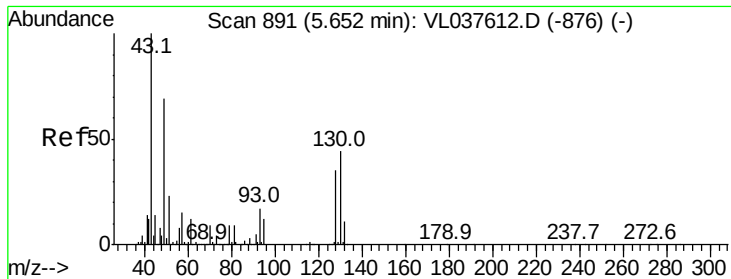
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 16 13:42:46 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL037665.D

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Instrument :

MSVOA\_L

ClientSampleId :

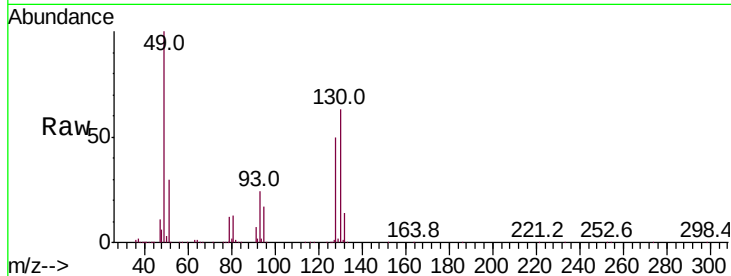
Tot Ion: 49 Resp: 1447113

Ion Ratio Lower Upper

49 100

128 53.8 27.9 83.6

130 70.1 33.9 101.7

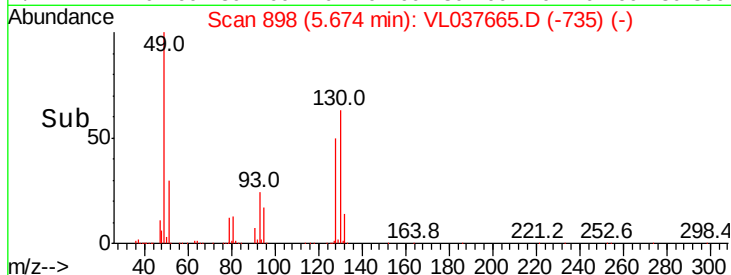


Abundance Ion 49.10 (48.80 to 49.80): VL0

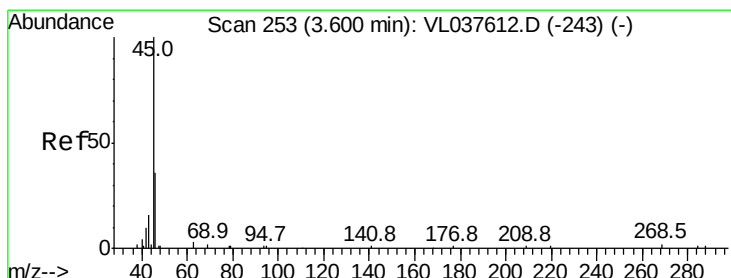
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.67



Time-->



#13

Ethanol

Concen: 0.049 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL037665.D

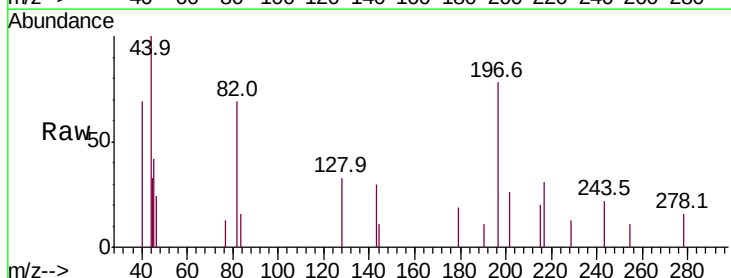
Acq: 23 Sep 2021 16:39

Tgt Ion: 45 Resp: 463

Ion Ratio Lower Upper

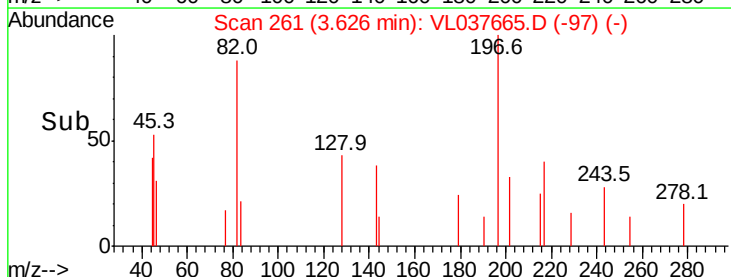
45 100

46 188.8 17.2 68.8#

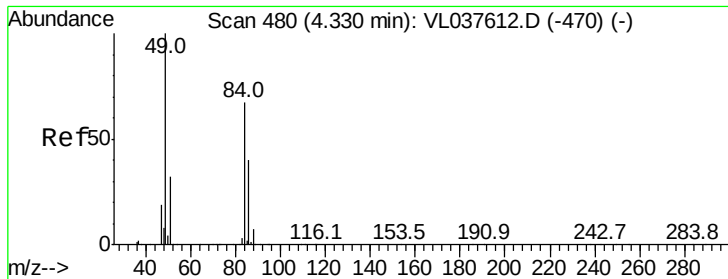


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



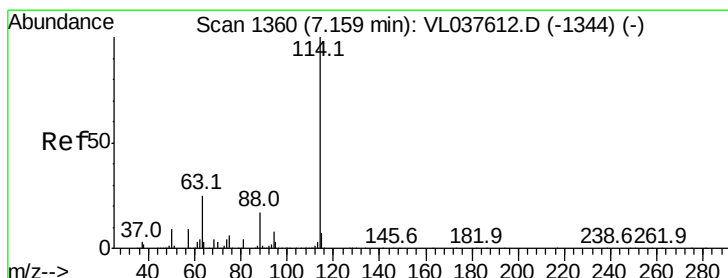
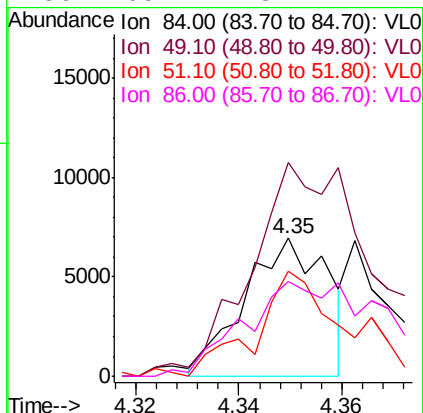
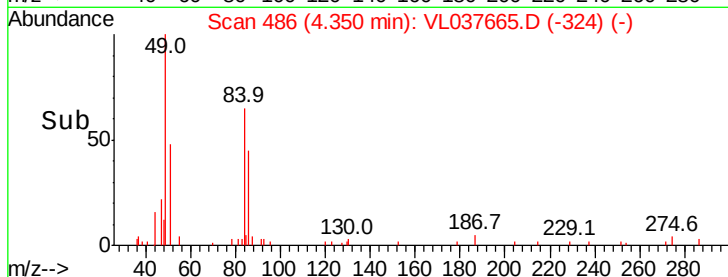
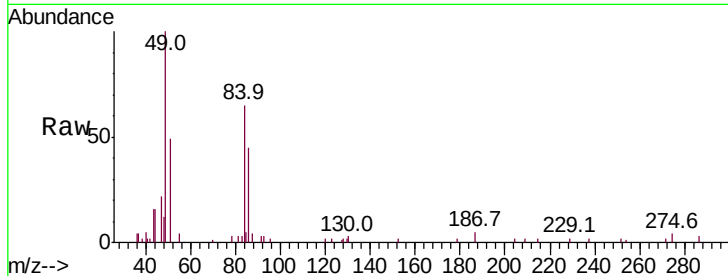
Time-->



#20  
Methylene Chloride  
Concen: 0.108 ppbv  
RT: 4.35 min Scan# 486  
Delta R.T. 0.02 min  
Lab File: VL037665.D  
Acq: 23 Sep 2021 16:39

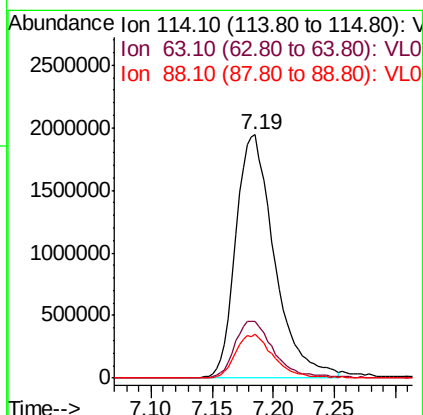
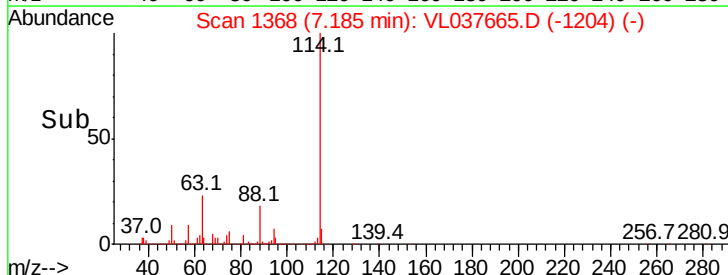
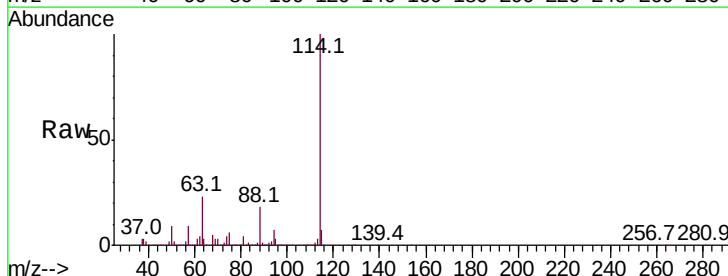
Instrument :  
MSVOA\_L  
ClientSampled :

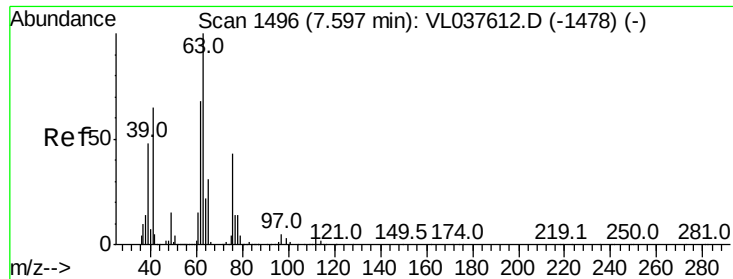
Tot Ion: 84 Resp: 7761  
Ion Ratio Lower Upper  
84 100  
49 156.0 120.0 180.0  
51 80.4 38.0 57.0#  
86 69.4 48.2 72.2



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.19 min Scan# 1368  
Delta R.T. 0.03 min  
Lab File: VL037665.D  
Acq: 23 Sep 2021 16:39

Tgt Ion: 114 Resp: 4272899  
Ion Ratio Lower Upper  
114 100  
63 24.3 19.6 29.4  
88 18.2 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.365 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.42 min

Lab File: VL037665.D

Acq: 23 Sep 2021 16:39

Instrument :

MSVOA\_L

ClientSampleId :

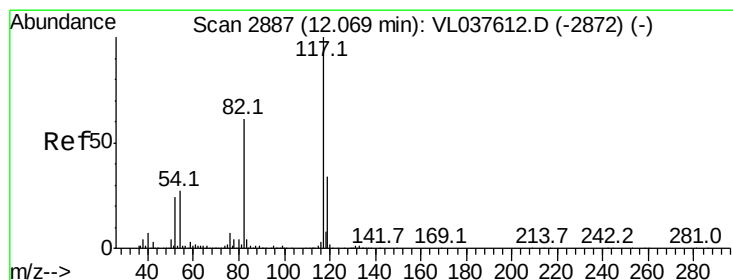
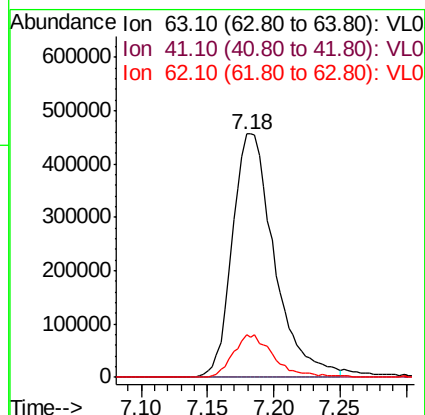
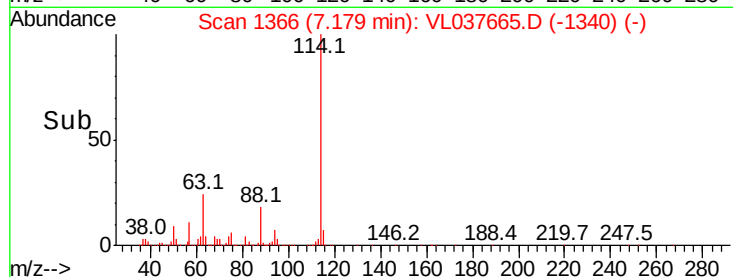
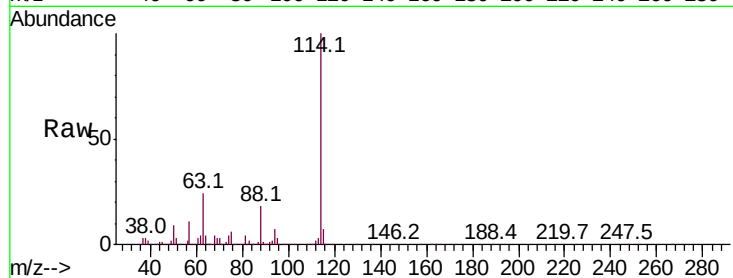
Tot Ion: 63 Resp: 1005137

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 17.7 54.6 81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.02 min

Lab File: VL037665.D

Acq: 23 Sep 2021 16:39

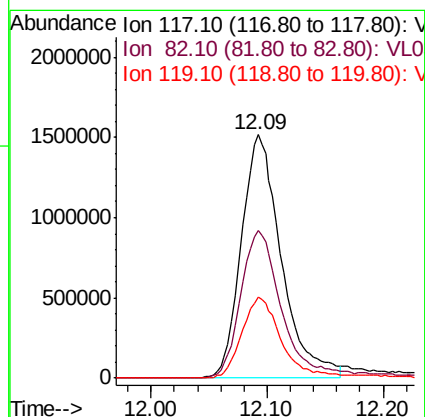
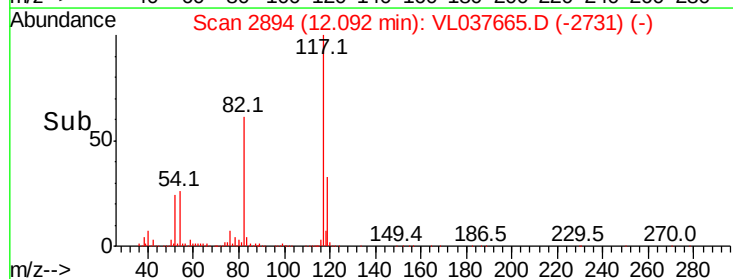
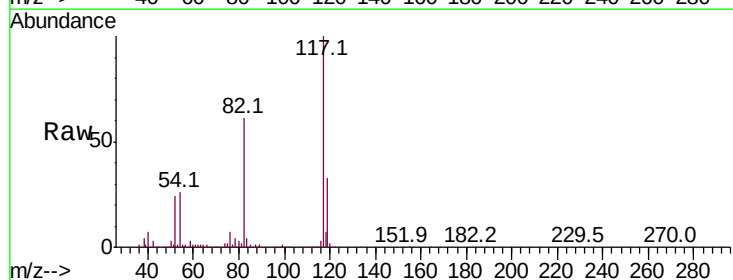
Tgt Ion: 117 Resp: 3635900

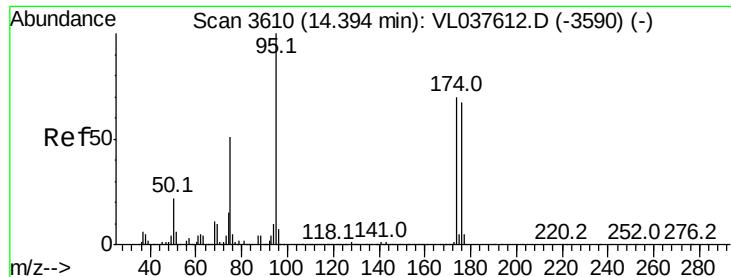
Ion Ratio Lower Upper

117 100

82 67.0 50.6 75.8

119 34.1 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.685 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.03 min

Lab File: VL037665.D

Acq: 23 Sep 2021 16:39

Instrument :

MSVOA\_L

ClientSampleId :

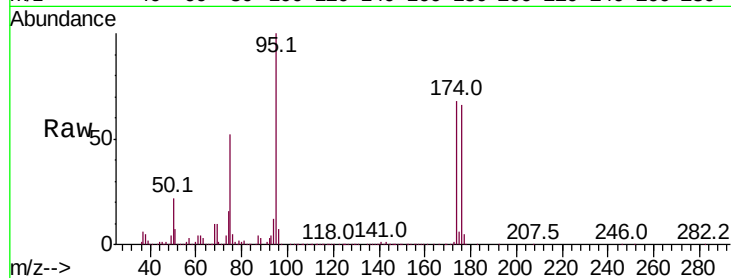
Tot Ion: 95 Resp: 2544899

Ion Ratio Lower Upper

95 100

174 77.1 56.3 84.5

175 5.4 4.4 6.6



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

