

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL020724\  
 Data File : VL041037.D  
 Acq On : 7 Feb 2024 12:38  
 Operator : SY/MD  
 Sample : QC013124 CAN 10604  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC013124 CAN 10604

Quant Time: Feb 08 02:42:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL012324AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Feb 08 02:04:13 2024  
 Response via : Initial Calibration

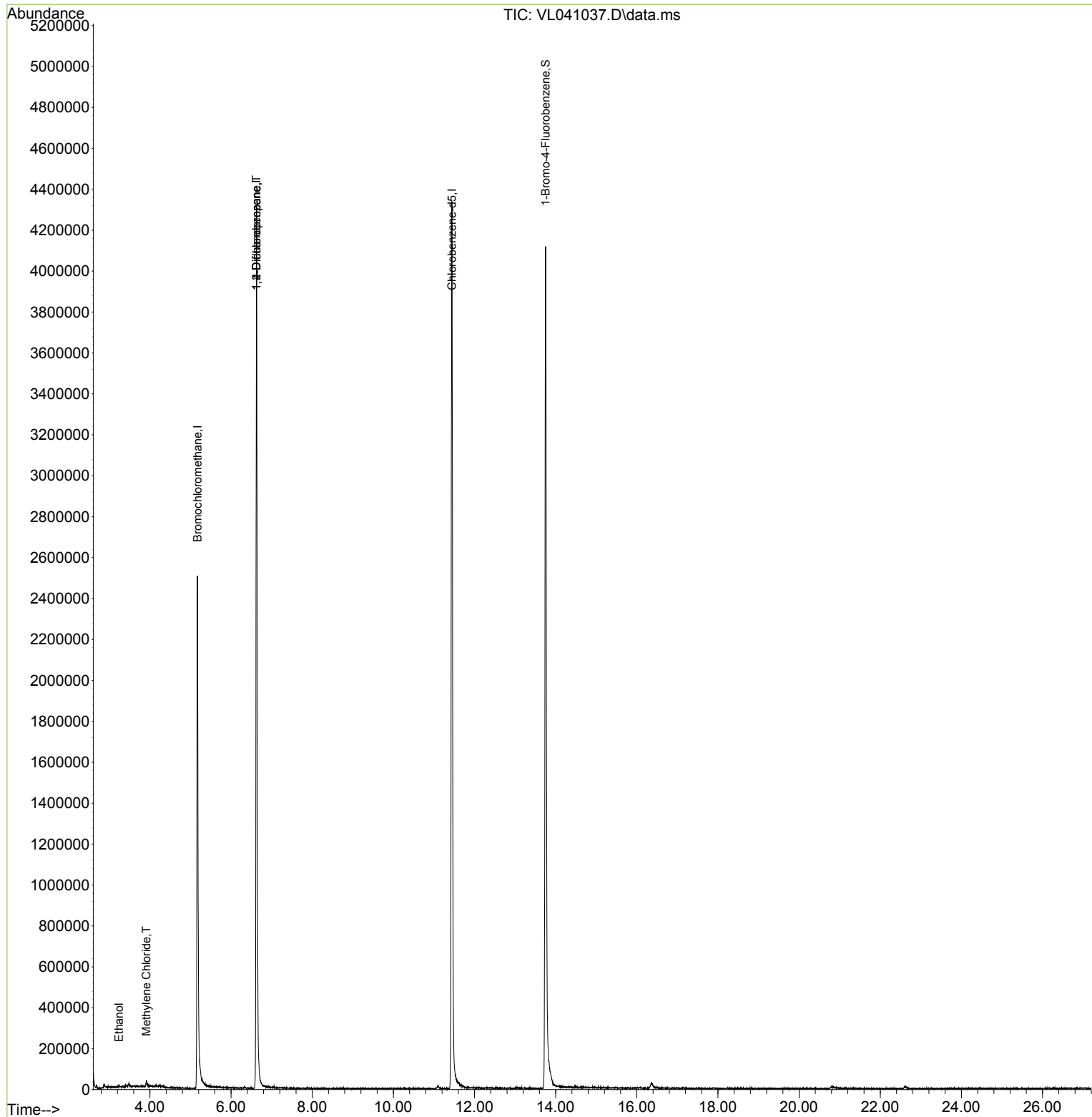
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.173  | 49    | 1304567  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.629  | 114   | 3291041  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.442 | 117   | 2871883  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.754 | 95    | 2210203  | 10.189   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.900% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 3.237  | 45    | 447      | 0.026    | ppbv # | 35       |
| 20) Methylene Chloride      | 3.912  | 84    | 8421     | 0.131    | ppbv # | 69       |
| 39) 1,2-Dichloropropane     | 6.629  | 63    | 820090   | 7.659    | ppbv # | 24       |
| -----                       |        |       |          |          |        |          |

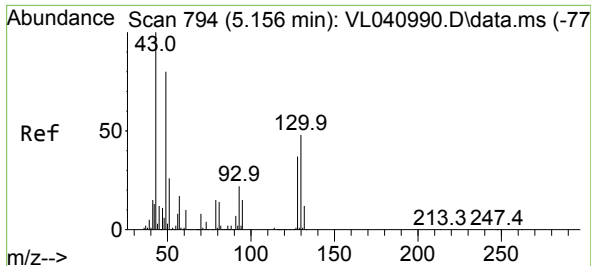
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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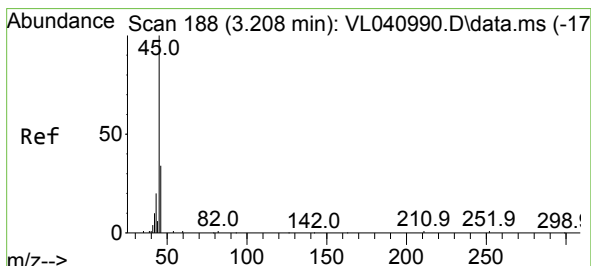
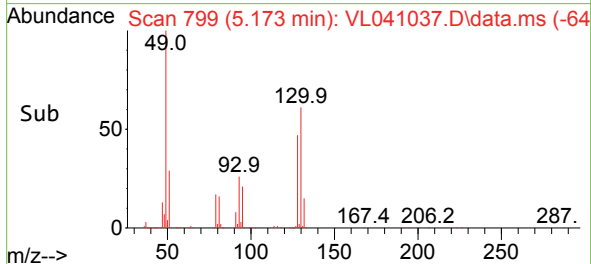
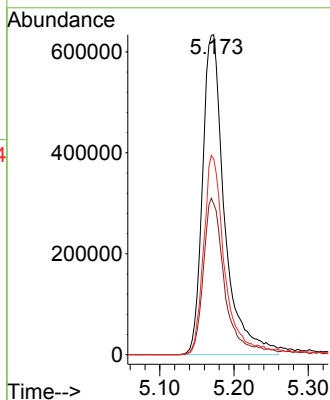
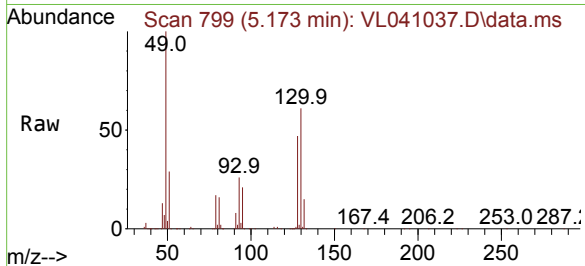




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.173 min Scan# 794  
Delta R.T. 0.007 min  
Lab File: VL041037.D  
Acq: 7 Feb 2024 12:38

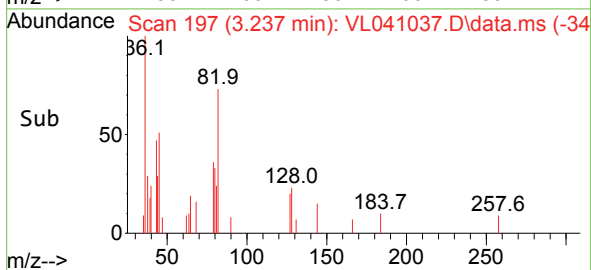
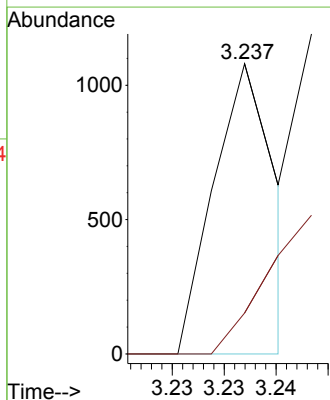
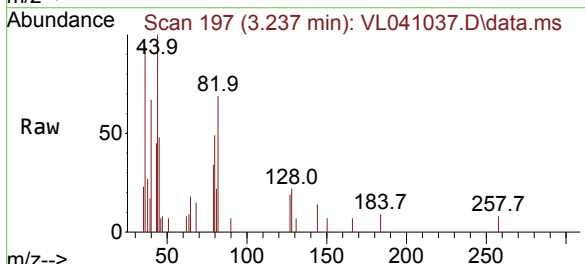
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC013124 CAN 10604

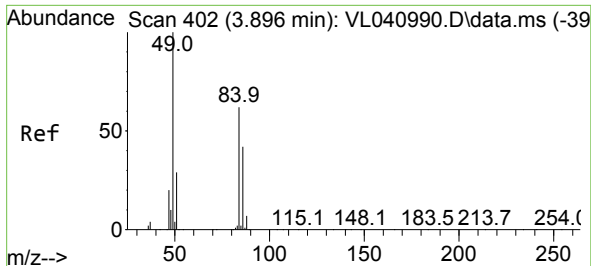
Tgt Ion: 49 Resp: 1304567  
Ion Ratio Lower Upper  
49 100  
128 48.7 23.9 71.7  
130 62.4 31.1 93.5



#13  
Ethanol  
Concen: 0.026 ppbv  
RT: 3.237 min Scan# 197  
Delta R.T. 0.023 min  
Lab File: VL041037.D  
Acq: 7 Feb 2024 12:38

Tgt Ion: 45 Resp: 447  
Ion Ratio Lower Upper  
45 100  
46 0.0 16.2 64.8#

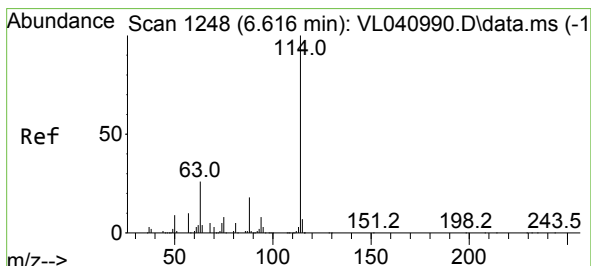
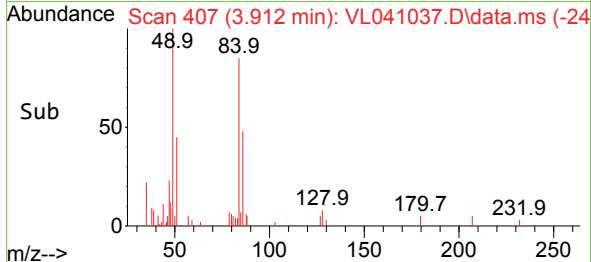
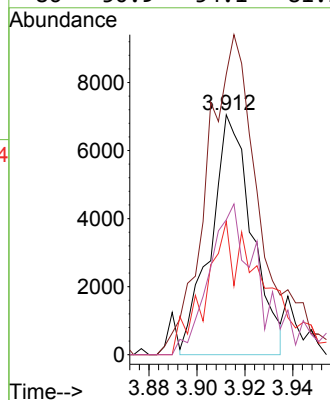
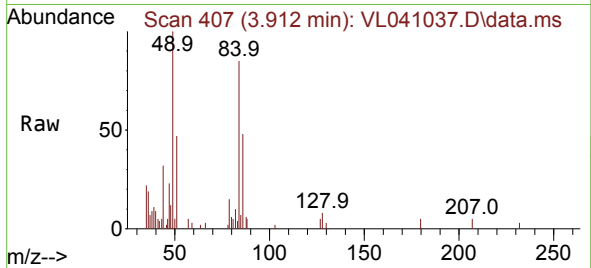




#20  
Methylene Chloride  
Concen: 0.131 ppbv  
RT: 3.912 min Scan# 40  
Delta R.T. 0.007 min  
Lab File: VL041037.D  
Acq: 7 Feb 2024 12:38

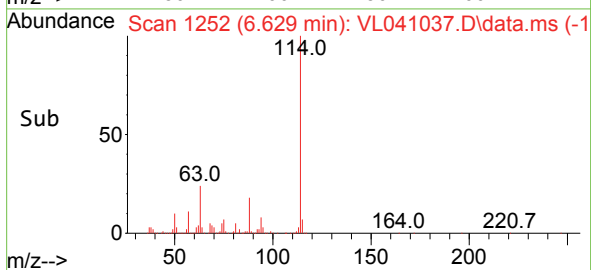
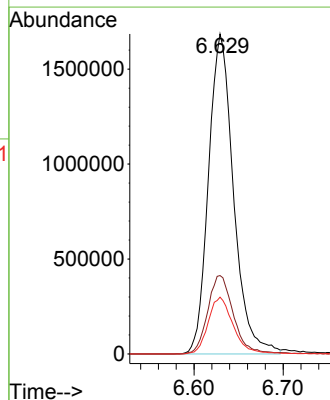
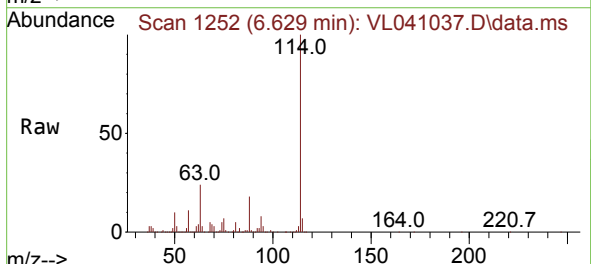
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC013124 CAN 10604

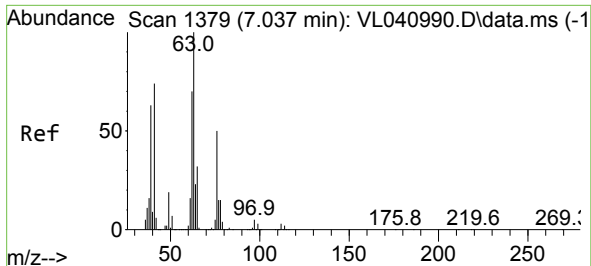
Tgt Ion: 84 Resp: 8421  
Ion Ratio Lower Upper  
84 100  
49 104.3 128.1 192.1#  
51 40.5 36.5 54.7  
86 50.9 54.1 81.1#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.629 min Scan# 1252  
Delta R.T. 0.003 min  
Lab File: VL041037.D  
Acq: 7 Feb 2024 12:38

Tgt Ion: 114 Resp: 3291041  
Ion Ratio Lower Upper  
114 100  
63 25.5 20.8 31.2  
88 17.9 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.659 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.418 min

Lab File: VL041037.D

Acq: 7 Feb 2024 12:38

Instrument :

MSVOA\_L

ClientSampleId :

QC013124 CAN 10604

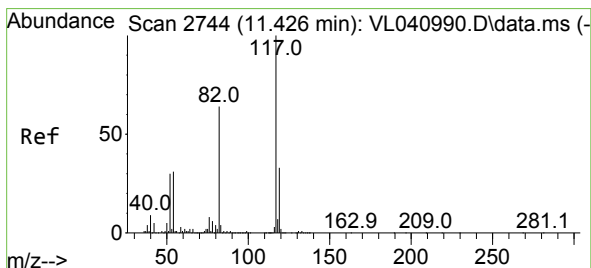
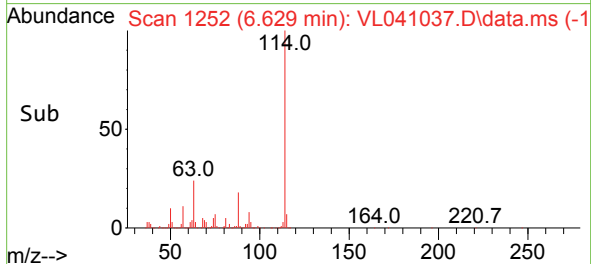
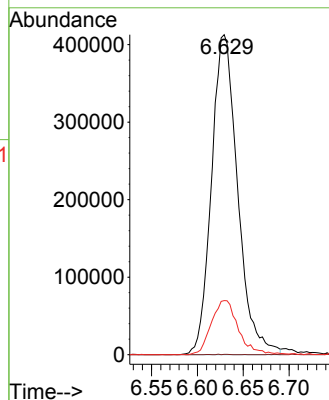
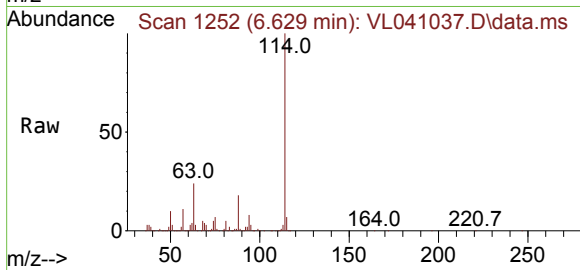
Tgt Ion: 63 Resp: 820090

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 16.9 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.442 min Scan# 2749

Delta R.T. 0.003 min

Lab File: VL041037.D

Acq: 7 Feb 2024 12:38

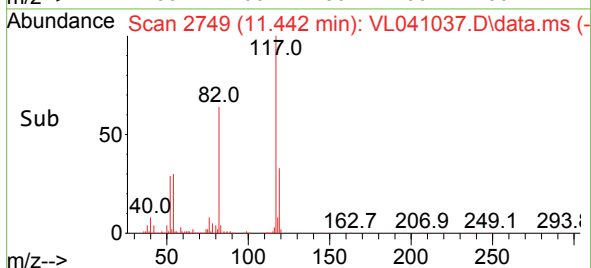
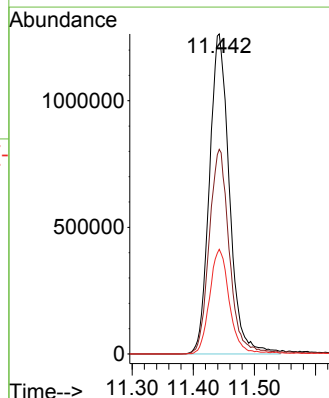
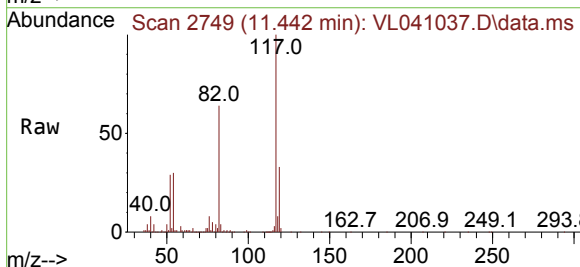
Tgt Ion: 117 Resp: 2871883

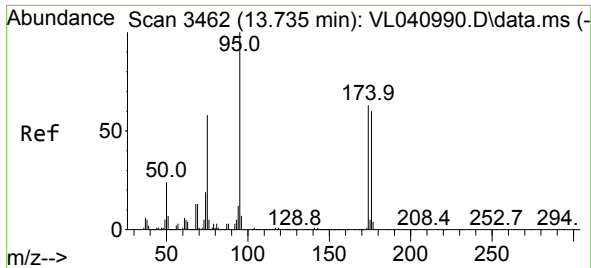
Ion Ratio Lower Upper

117 100

82 65.5 51.7 77.5

119 32.6 23.8 35.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.189 ppbv

RT: 13.754 min Scan# 34

Delta R.T. 0.007 min

Lab File: VL041037.D

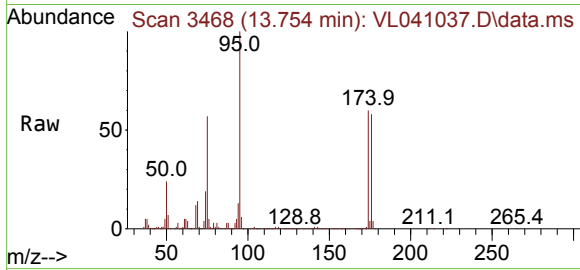
Acq: 7 Feb 2024 12:38

Instrument :

MSVOA\_L

ClientSampleId :

QC013124 CAN 10604



Tgt Ion: 95 Resp: 2210203

Ion Ratio Lower Upper

95 100

174 61.9 49.1 73.7

175 4.7 3.7 5.5

