

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\  
 Data File : VL035396.D  
 Acq On : 13 Aug 2020 2:18  
 Operator : SY/AP  
 Sample : OC CAN 10592  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC CAN 10592

Quant Time: Aug 13 04:32:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Aug 12 20:32:44 2020  
 QLast Update : Wed Aug 12 20:32:44 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1443485  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3244660  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 3069588  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 2650323  | 10.69    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 106.90% |

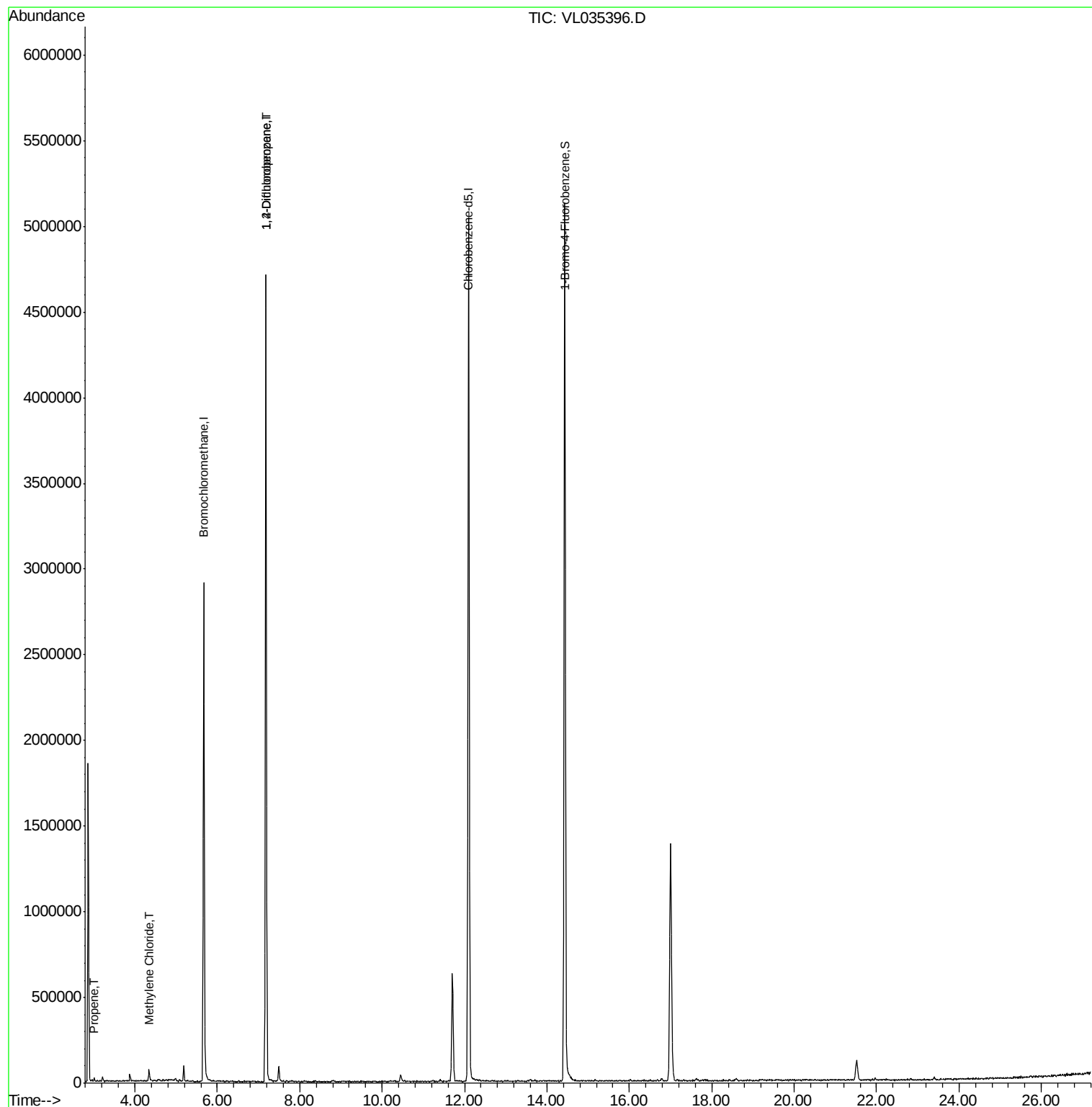
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.01 | 41   | 4724     | 0.054 | ppbv   | 90     |
| 20) Methylene Chloride  | 4.34 | 84   | 16909    | 0.246 | ppbv # | 88     |
| 39) 1,2-Dichloropropane | 7.18 | 63   | 897668   | 7.286 | ppbv # | 26     |

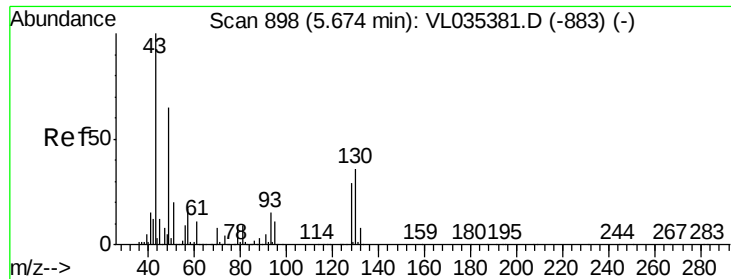
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 12 20:32:44 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035396.D

Acq: 13 Aug 2020 2:18

Instrument :

MSVOA\_L

ClientSampleId :

QC CAN 10592

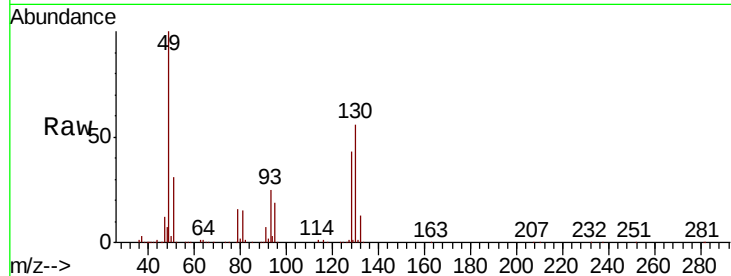
Tot Ion: 49 Resp: 1443485

Ion Ratio Lower Upper

49 100

128 42.4 21.8 65.3

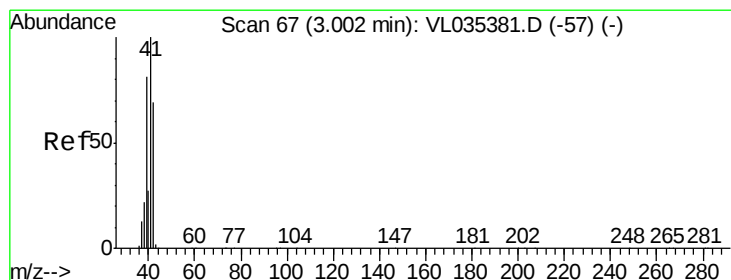
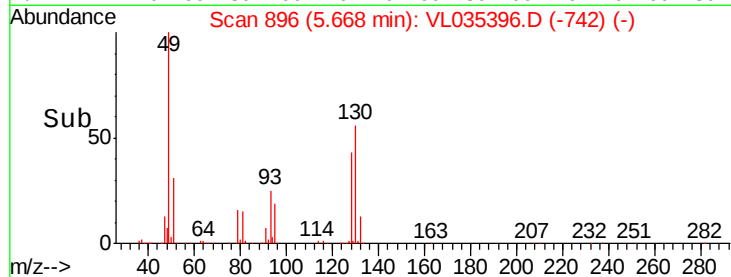
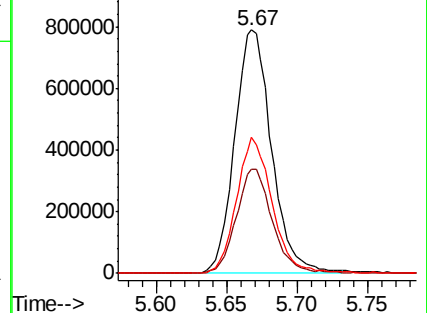
130 54.3 27.9 83.6



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



#9

Propene

Concen: 0.054 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035396.D

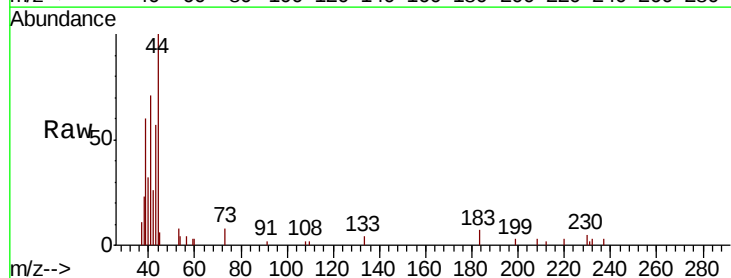
Acq: 13 Aug 2020 2:18

Tgt Ion: 41 Resp: 4724

Ion Ratio Lower Upper

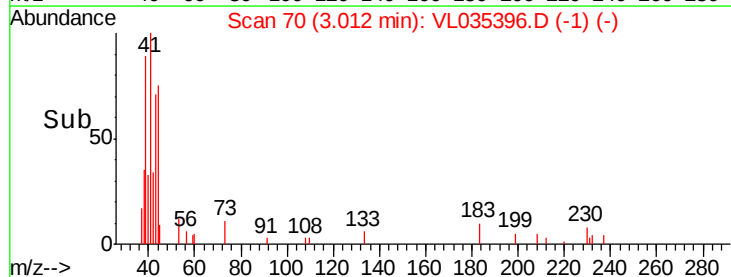
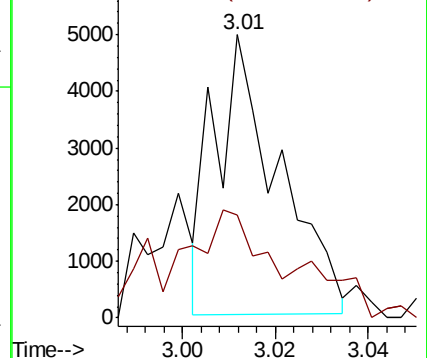
41 100

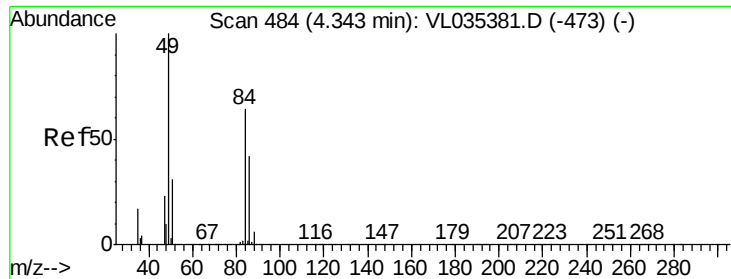
42 77.9 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

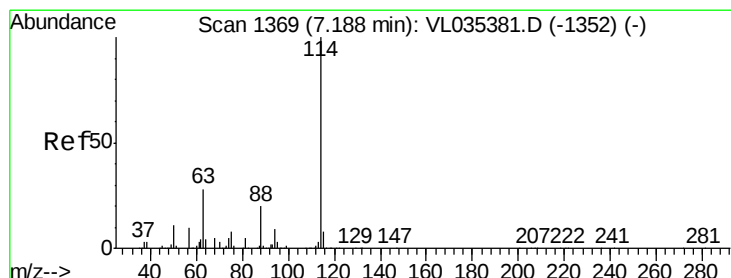
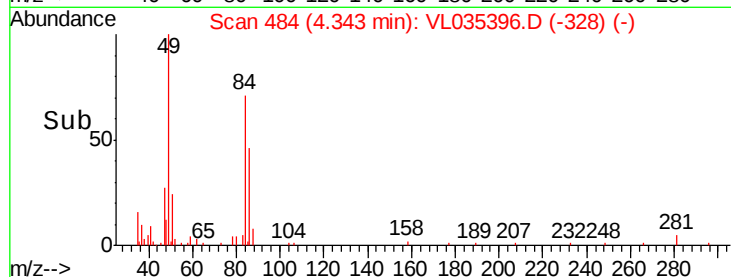
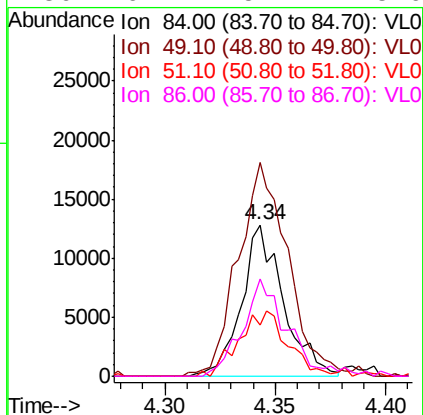
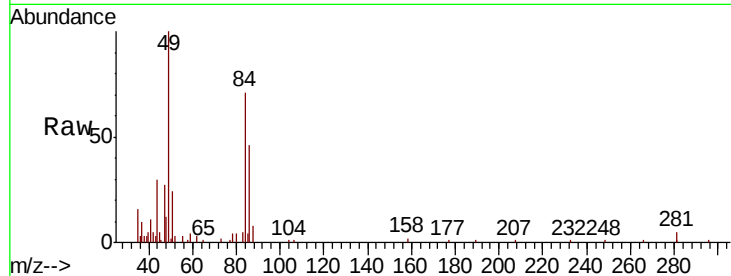




#20  
Methylene Chloride  
Concen: 0.246 ppbv  
RT: 4.34 min Scan# 484  
Delta R.T. 0.00 min  
Lab File: VL035396.D  
Acq: 13 Aug 2020 2:18

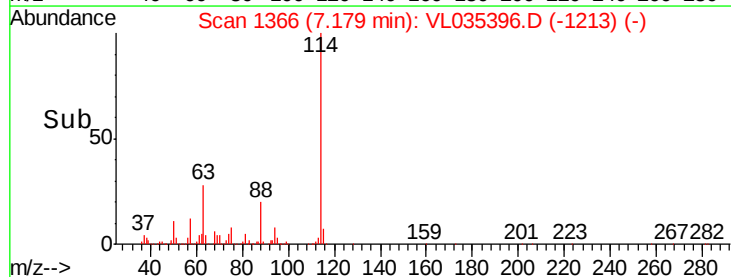
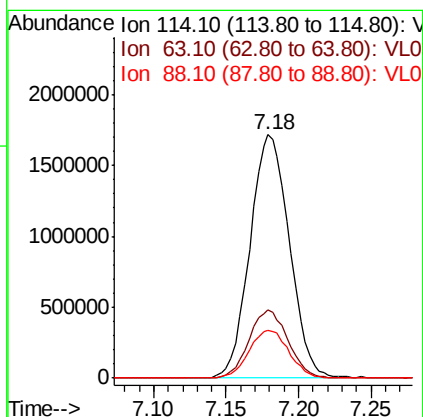
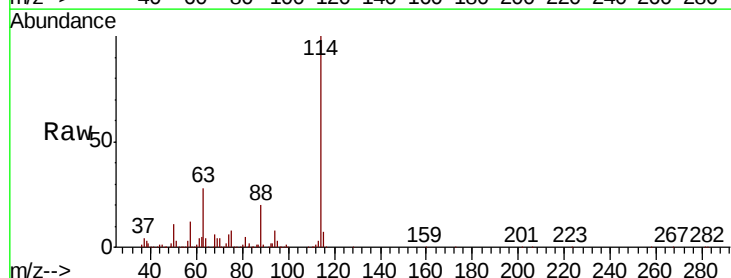
Instrument :  
MSVOA\_L  
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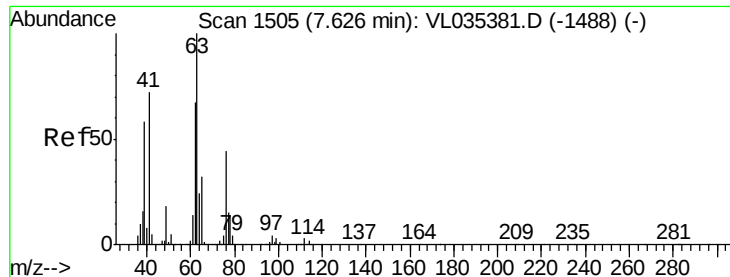
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 16909 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 138.5 | 125.7 | 188.5 |
| 51       | 33.9  | 38.5  | 57.7# |
| 86       | 64.4  | 52.4  | 78.6  |



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.18 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: VL035396.D  
Acq: 13 Aug 2020 2:18

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 3244660 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 27.9  | 21.5  | 32.3    |
| 88       | 20.1  | 15.6  | 23.4    |





#39

1,2-Dichloropropane

Concen: 7.286 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.45 min

Lab File: VL035396.D

Acq: 13 Aug 2020 2:18

Instrument :

MSVOA\_L

ClientSampleId :

QC CAN 10592

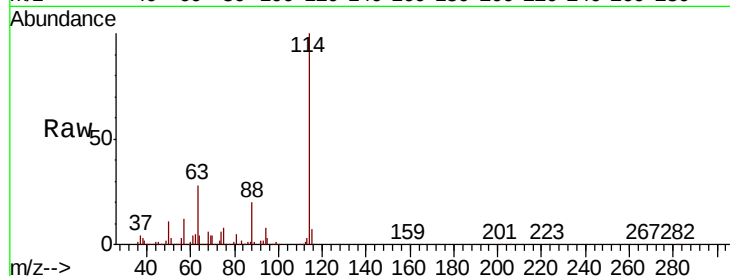
Tot Ion: 63 Resp: 897668

Ion Ratio Lower Upper

63 100

41 0.3 57.4 86.2#

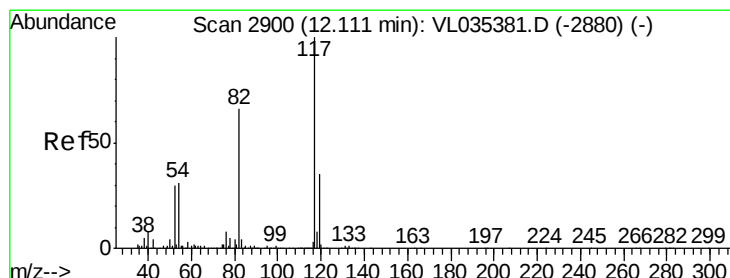
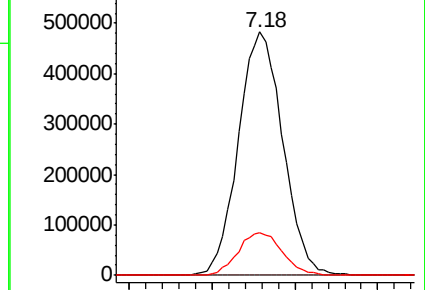
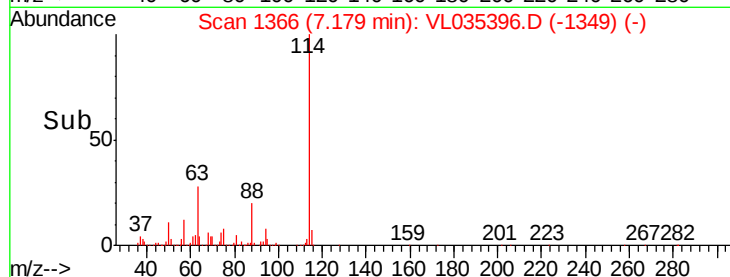
62 17.7 53.6 80.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL035396.D

Acq: 13 Aug 2020 2:18

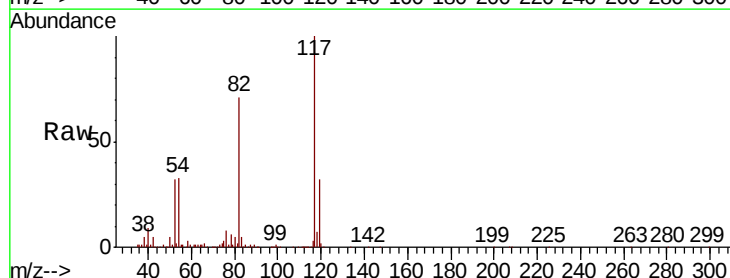
Tgt Ion: 117 Resp: 3069588

Ion Ratio Lower Upper

117 100

82 70.8 53.0 79.6

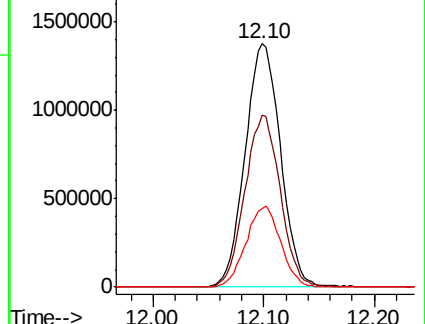
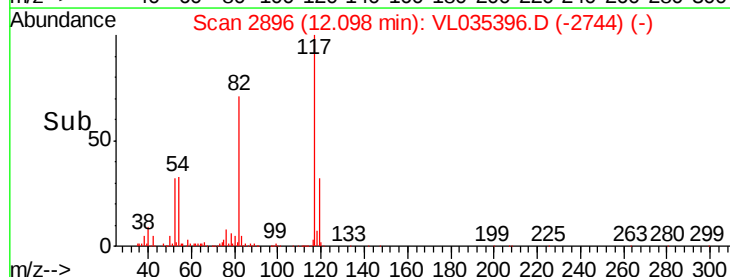
119 32.7 25.7 38.5

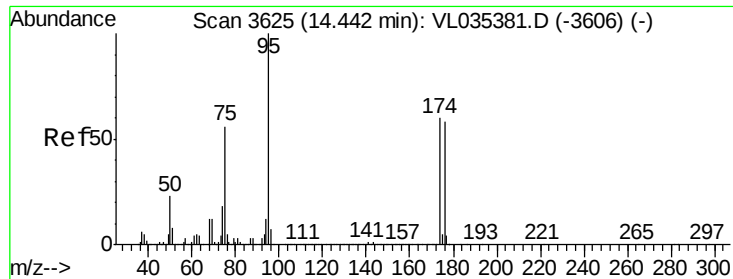


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.694 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035396.D

Acq: 13 Aug 2020 2:18

Instrument :

MSVOA\_L

ClientSampleId :

QC CAN 10592

Tot Ion: 95 Resp: 2650323

Ion Ratio Lower Upper

95 100

174 56.1 48.2 72.2

175 4.2 3.7 5.5

