

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL091219\  
Quantitation Report (Not Reviewed)

Data File : VL034161.D  
Acq On : 12 Sep 2019 17:10  
Operator : SY/AP  
Sample : VL0912ABL01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0912ABL01

Quant Time: Sep 13 01:44:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL090519AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Thu Sep 05 10:21:45 2019  
QLast Update : Thu Sep 05 10:21:45 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.70  | 49   | 1307089  | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.22  | 114  | 2185726  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.16 | 117  | 2192716  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.50  | 95    | 1890510  | 10.55    | ppbv | -0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.50% |

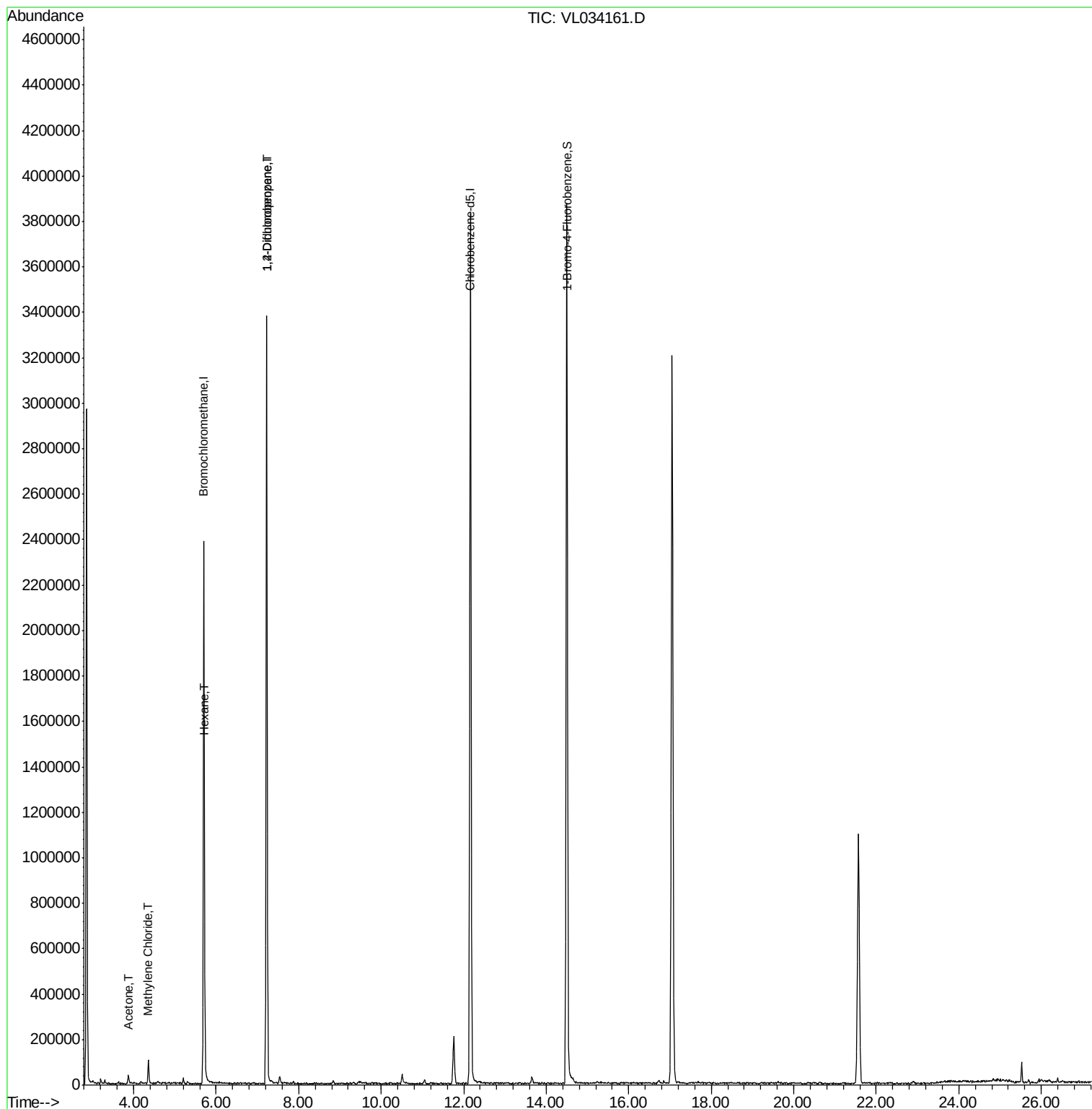
| Target Compounds        |      |    |        |       | Qvalue |    |
|-------------------------|------|----|--------|-------|--------|----|
| 15) Acetone             | 3.87 | 43 | 39451  | 0.250 | ppbv # | 78 |
| 20) Methylene Chloride  | 4.36 | 84 | 31002  | 0.595 | ppbv # | 82 |
| 26) Hexane              | 5.72 | 57 | 7781   | 0.051 | ppbv # | 41 |
| 39) 1,2-Dichloropropane | 7.23 | 63 | 718141 | 6.717 | ppbv # | 24 |

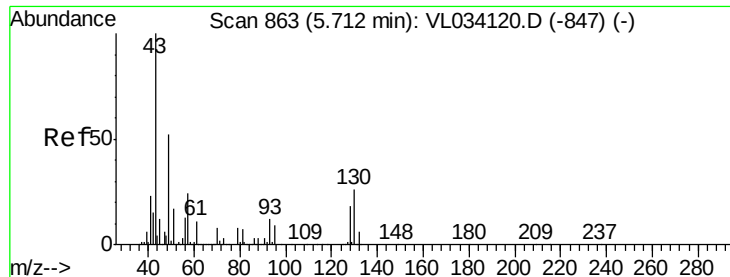
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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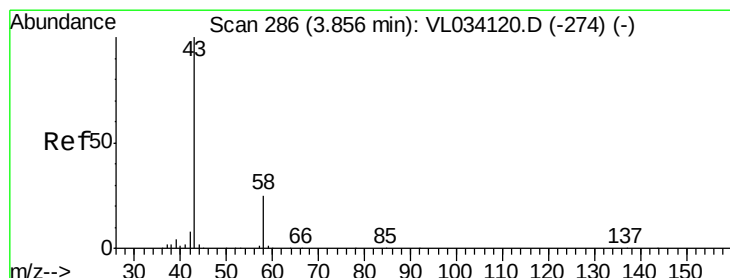
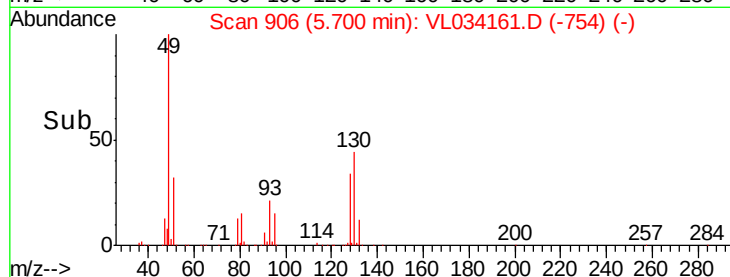
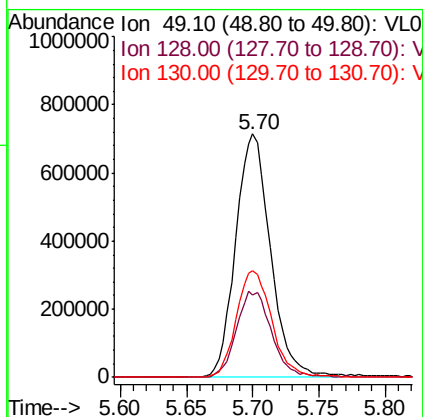
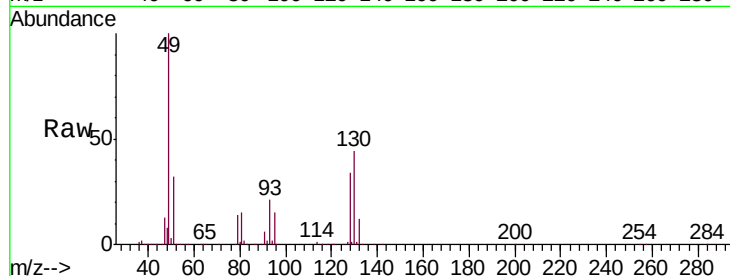




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.70 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: VL034161.D  
 Acq: 12 Sep 2019 17:10

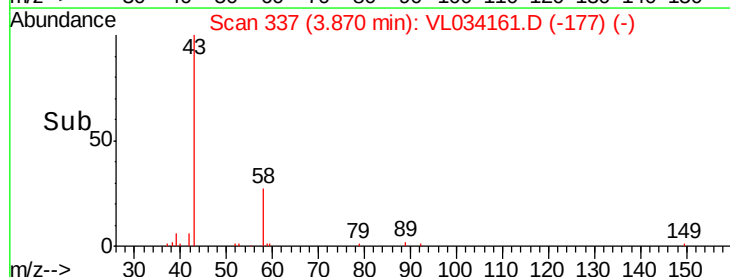
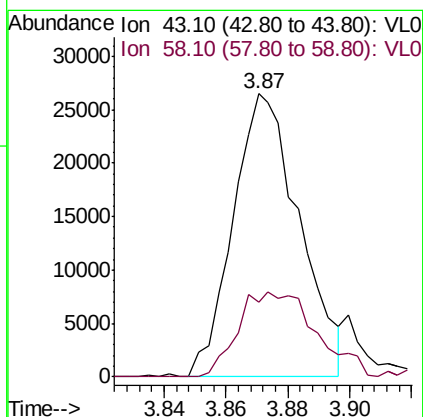
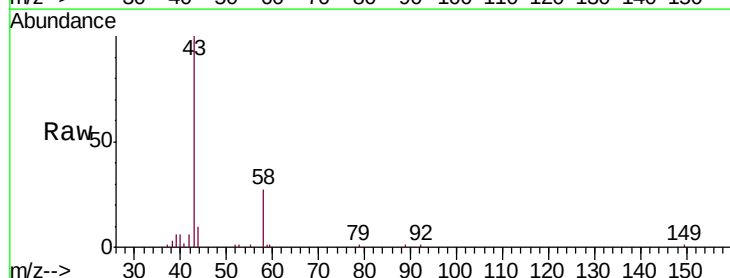
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0912ABL01

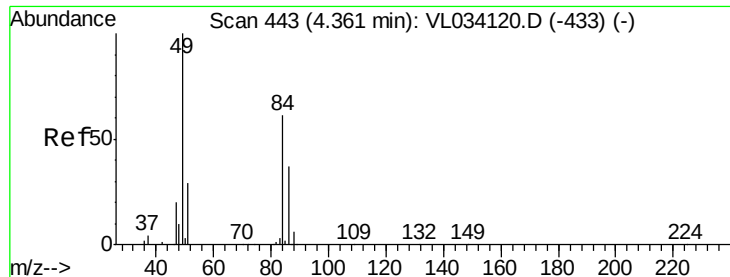
Tgt Ion: 49 Resp: 1307089  
 Ion Ratio Lower Upper  
 49 100  
 128 36.2 18.4 55.0  
 130 45.1 23.5 70.6



#15  
 Acetone  
 Concen: 0.250 ppbv  
 RT: 3.87 min Scan# 337  
 Delta R.T. 0.01 min  
 Lab File: VL034161.D  
 Acq: 12 Sep 2019 17:10

Tgt Ion: 43 Resp: 39451  
 Ion Ratio Lower Upper  
 43 100  
 58 36.8 20.6 30.8#

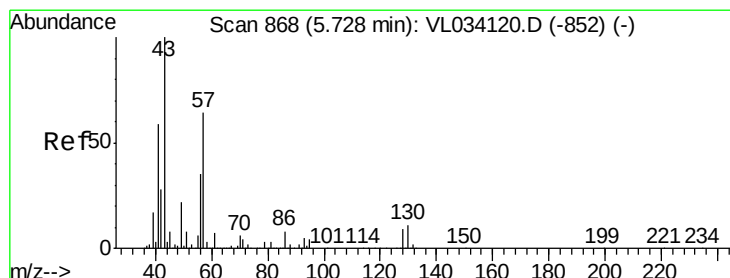
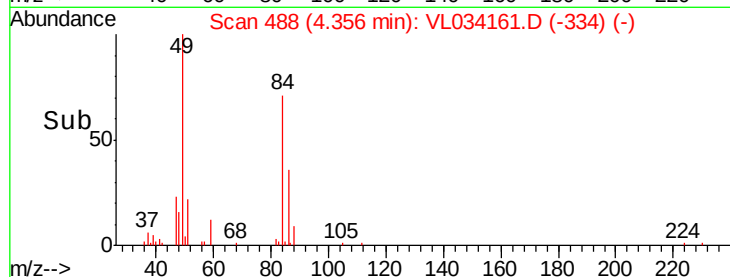
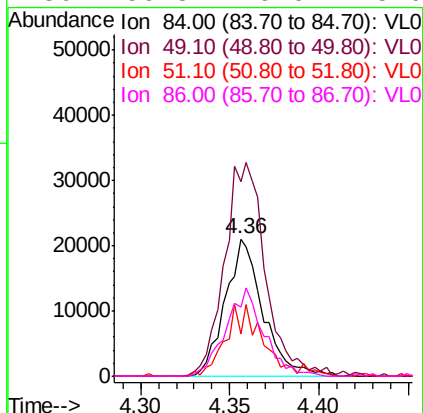
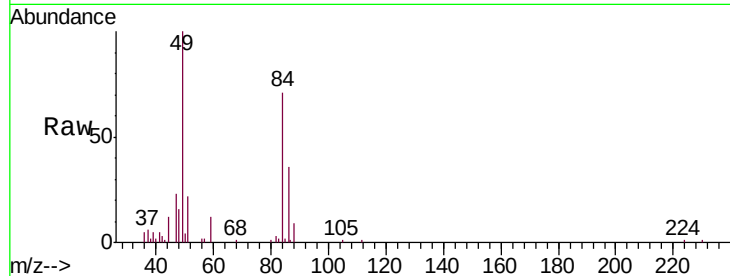




#20  
Methylene Chloride  
Concen: 0.595 ppbv  
RT: 4.36 min Scan# 488  
Delta R.T. -0.01 min  
Lab File: VL034161.D  
Acq: 12 Sep 2019 17:10

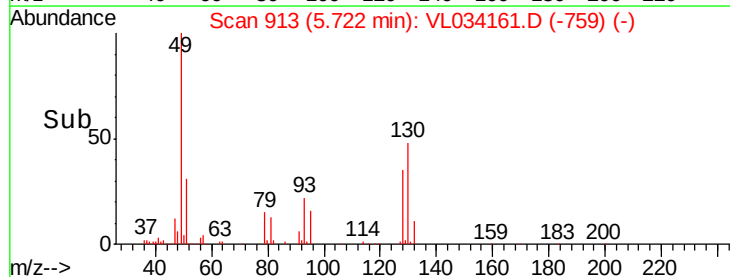
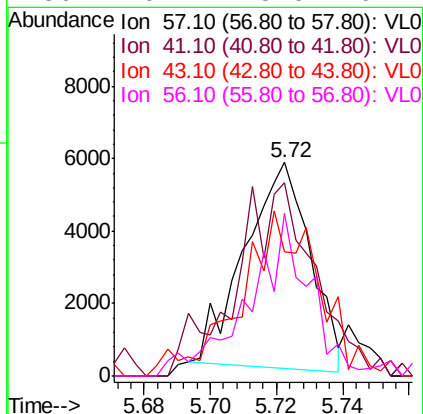
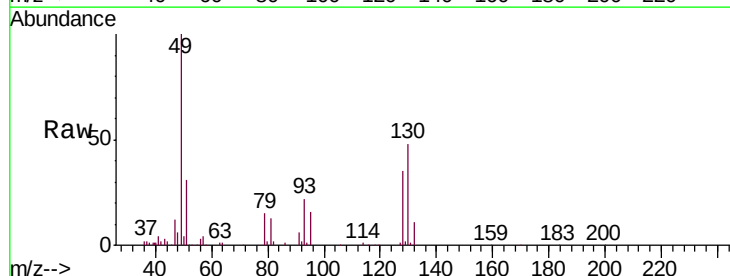
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ClientSampleId :  
VL0912ABL01

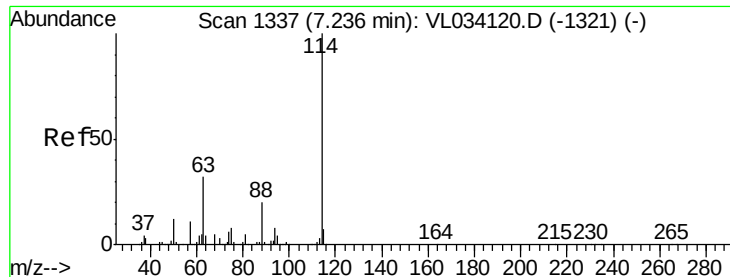
Tgt Ion: 84 Resp: 31002  
Ion Ratio Lower Upper  
84 100  
49 140.5 131.0 196.6  
51 30.9 38.1 57.1#  
86 50.8 49.0 73.6



#26  
Hexane  
Concen: 0.051 ppbv  
RT: 5.72 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: VL034161.D  
Acq: 12 Sep 2019 17:10

Tgt Ion: 57 Resp: 7781  
Ion Ratio Lower Upper  
57 100  
41 118.5 76.6 115.0#  
43 102.7 189.2 283.8#  
56 76.2 43.0 64.4#

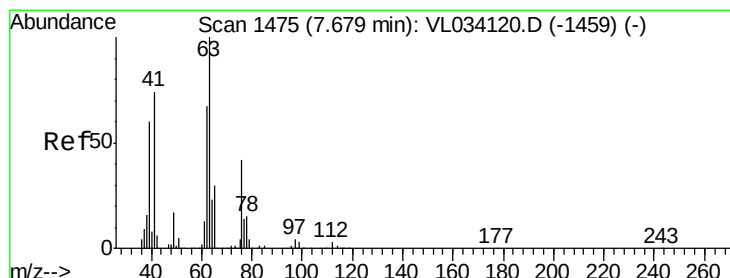
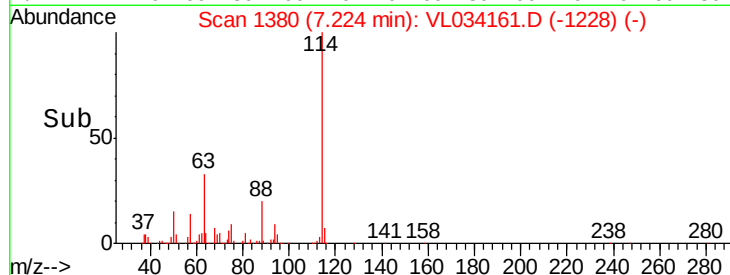
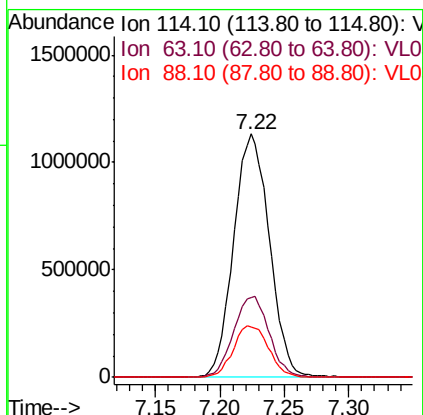
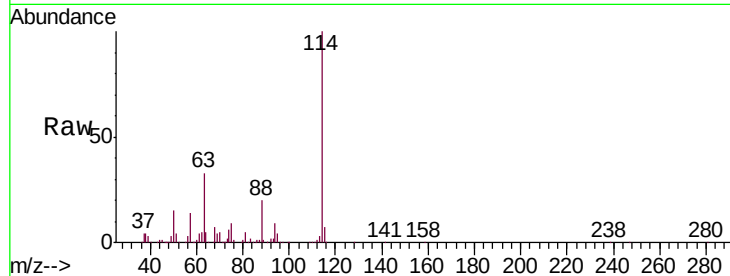




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.22 min Scan# 1380  
 Delta R.T. -0.01 min  
 Lab File: VL034161.D  
 Acq: 12 Sep 2019 17:10

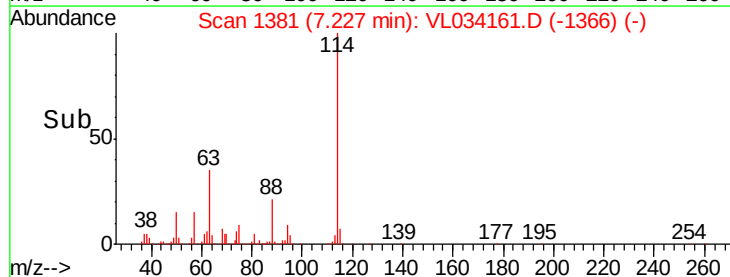
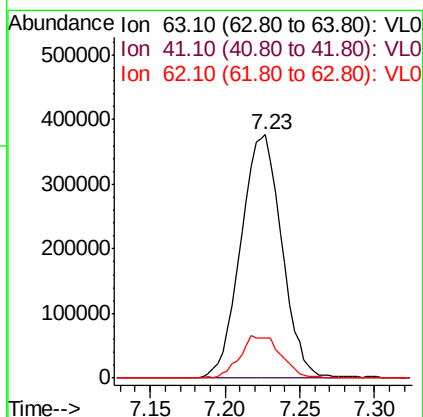
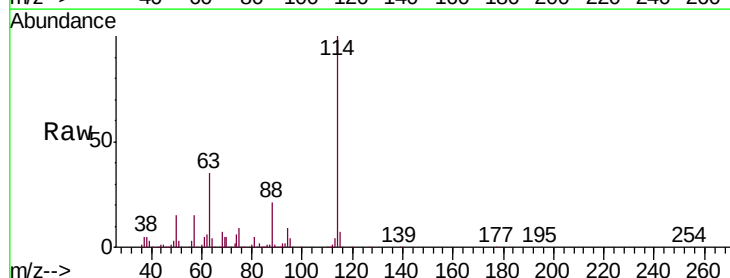
Instrument :  
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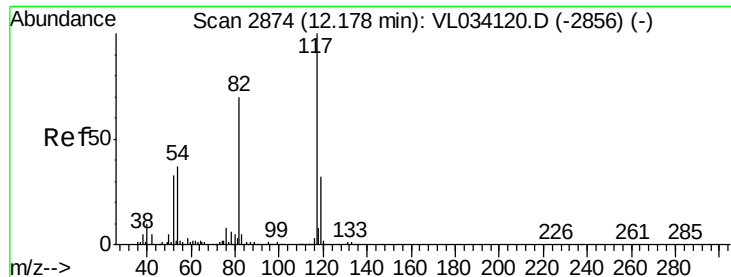
Tgt Ion: 114 Resp: 2185726  
 Ion Ratio Lower Upper  
 114 100  
 63 33.1 25.5 38.3  
 88 21.1 16.8 25.2



#39  
 1,2-Dichloropropane  
 Concen: 6.717 ppbv  
 RT: 7.23 min Scan# 1381  
 Delta R.T. -0.45 min  
 Lab File: VL034161.D  
 Acq: 12 Sep 2019 17:10

Tgt Ion: 63 Resp: 718141  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 59.3 88.9#  
 62 16.5 53.8 80.6#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034161.D

Acq: 12 Sep 2019 17:10

Instrument :

MSVOA\_L

ClientSampleId :

VL0912ABL01

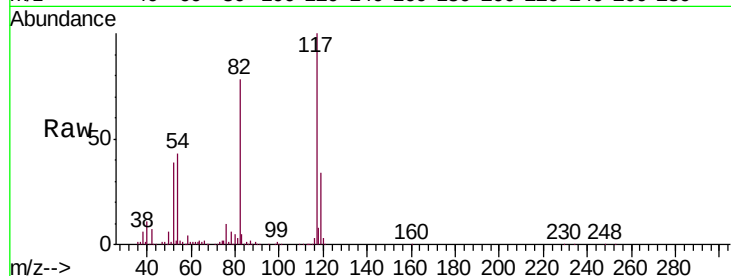
Tgt Ion: 117 Resp: 2192716

Ion Ratio Lower Upper

117 100

82 77.0 55.8 83.6

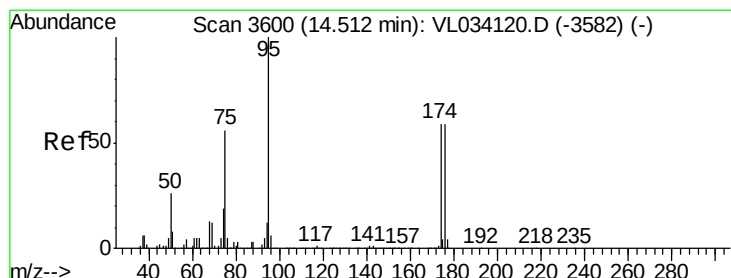
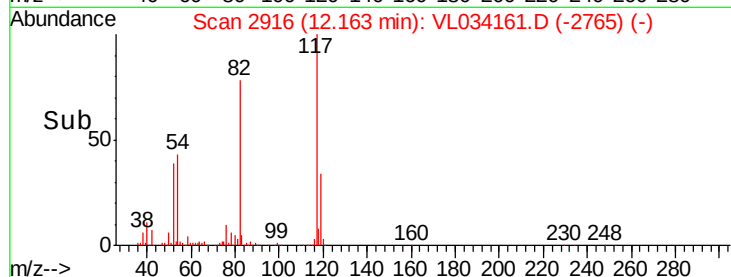
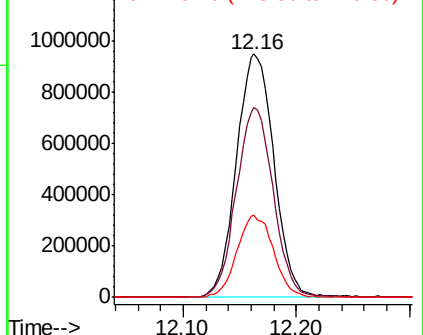
119 33.0 43.1 64.7#



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: 10.546 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034161.D

Acq: 12 Sep 2019 17:10

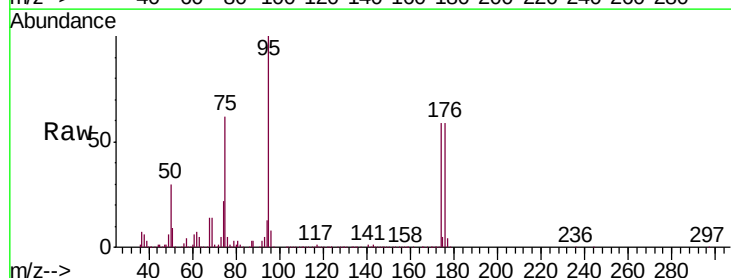
Tgt Ion: 95 Resp: 1890510

Ion Ratio Lower Upper

95 100

174 58.6 48.1 72.1

175 4.4 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

