

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL073120\  
Quantitation Report (Not Reviewed)

Data File : VL035305.D  
Acq On : 31 Jul 2020 15:56  
Operator : SY/AP  
Sample : CAN 10492  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10492

Quant Time: Jul 31 17:23:13 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL072920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LWed Jul 29 07:14:29 2020  
QLast Update : Wed Jul 29 07:14:29 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 965323   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2382218  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2147022  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1781051  | 10.38    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.80% |

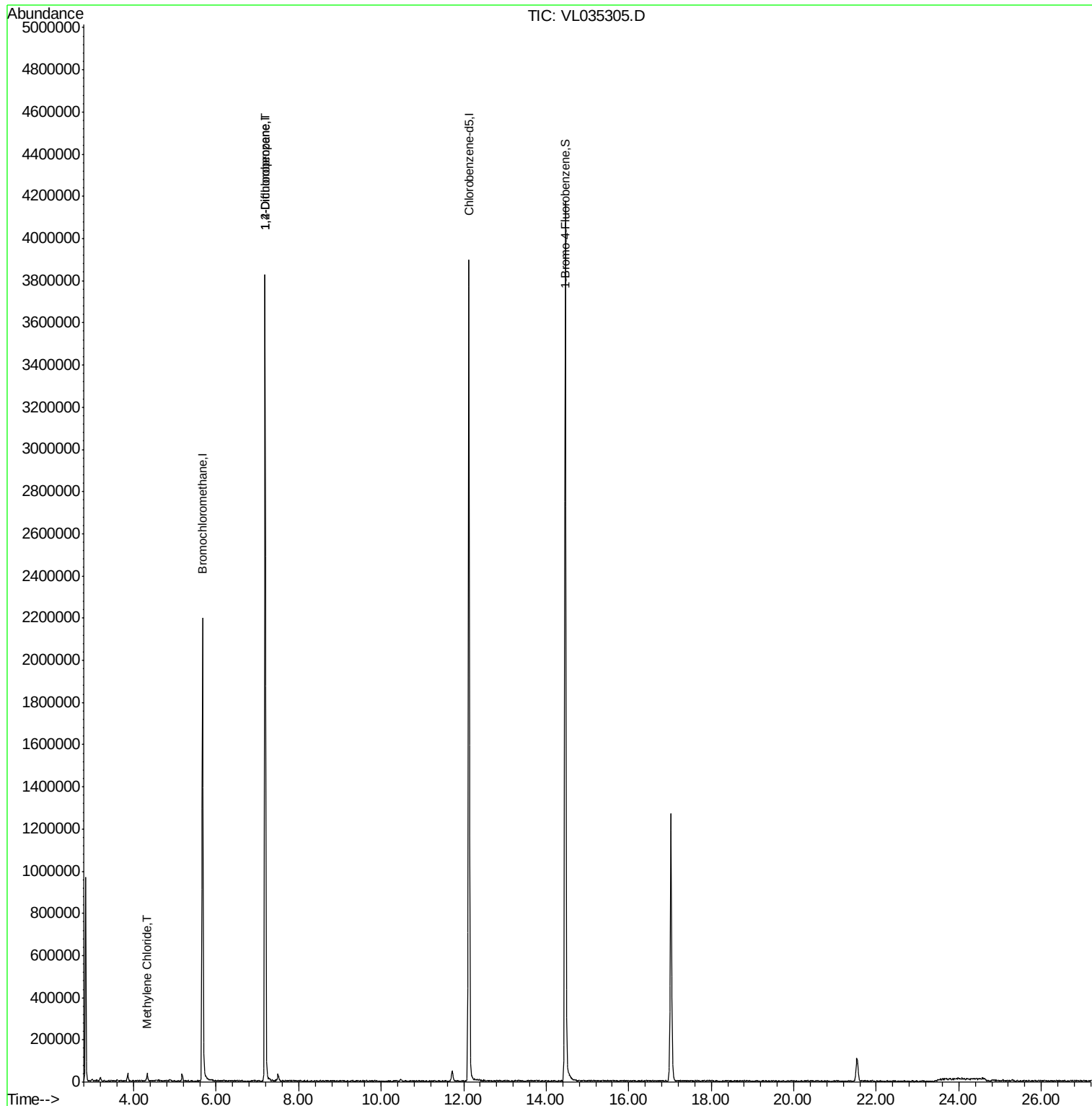
| Target Compounds        |      |    |        |       |        | Qvalue |
|-------------------------|------|----|--------|-------|--------|--------|
| 20) Methylene Chloride  | 4.33 | 84 | 12692  | 0.217 | ppbv # | 79     |
| 39) 1,2-Dichloropropane | 7.19 | 63 | 657714 | 9.957 | ppbv # | 23     |

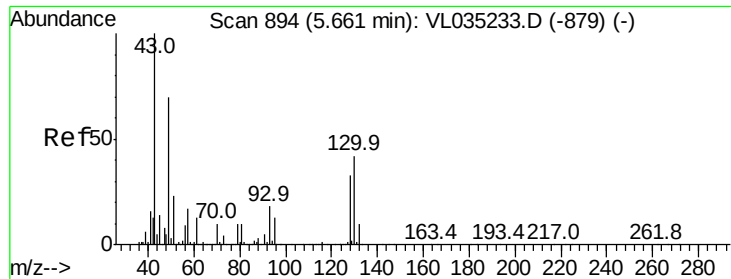
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 29 07:14:29 2020  
QLast Update : Wed Jul 29 07:14:29 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

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MSVOA\_L

ClientSampleId :

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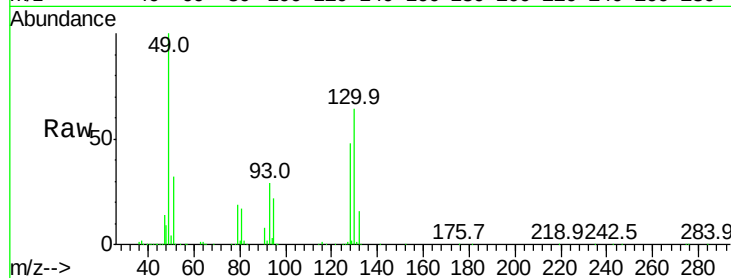
Tgt Ion: 49 Resp: 965323

Ion Ratio Lower Upper

49 100

128 50.0 24.0 72.0

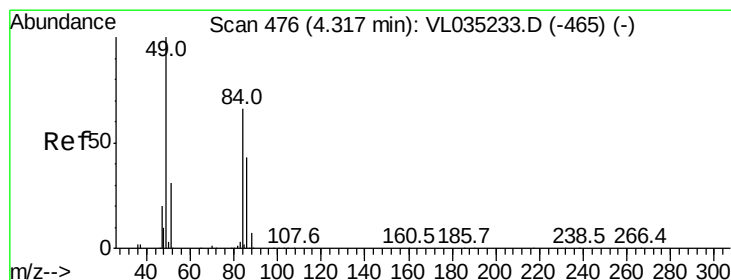
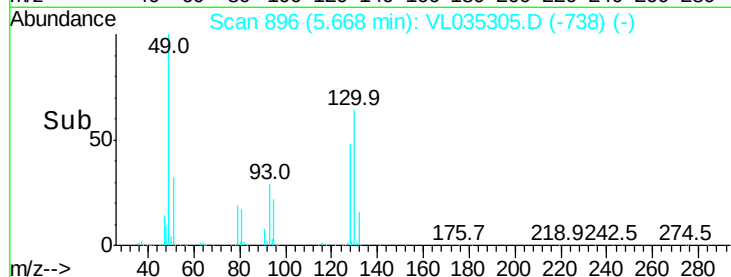
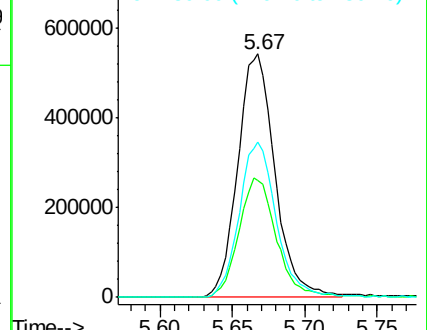
130 64.6 30.7 92.1



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



#20

Methylene Chloride

Concen: 0.217 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL035305.D

Acq: 31 Jul 2020 15:56

Tgt Ion: 84 Resp: 12692

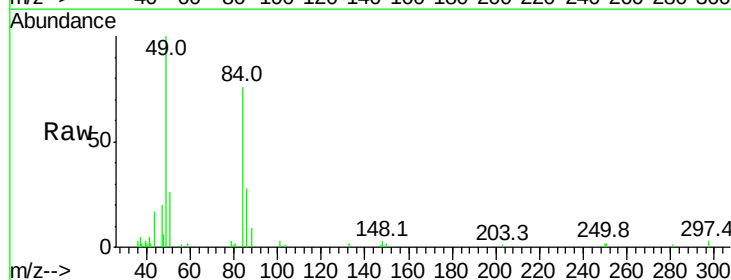
Ion Ratio Lower Upper

84 100

49 132.1 121.0 181.4

51 34.6 37.7 56.5#

86 36.5 52.2 78.4#

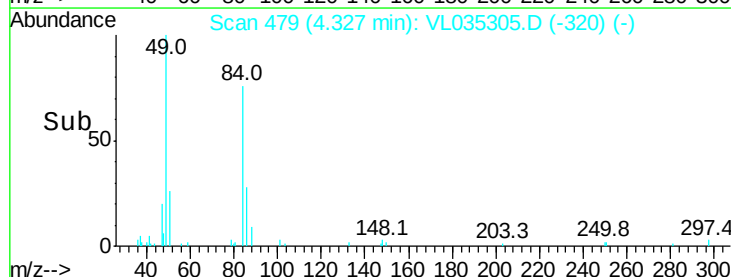
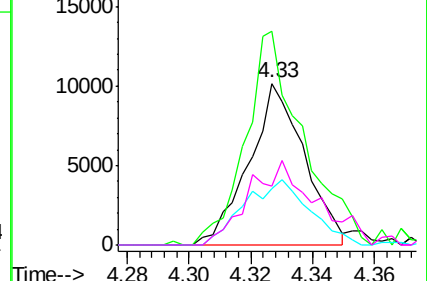


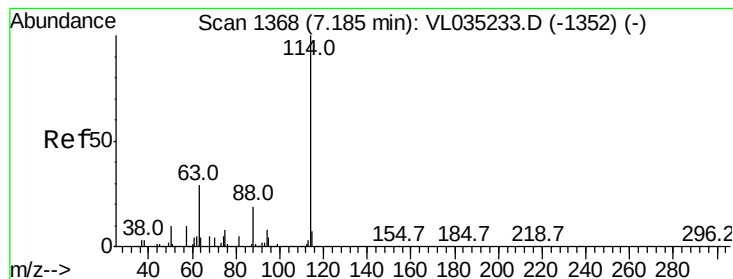
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.00 min

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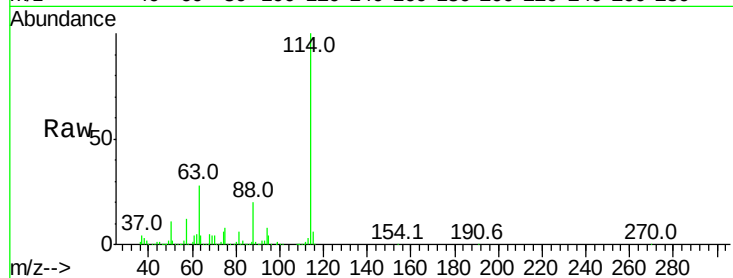
Tgt Ion:114 Resp: 2382218

Ion Ratio Lower Upper

114 100

63 27.6 22.2 33.2

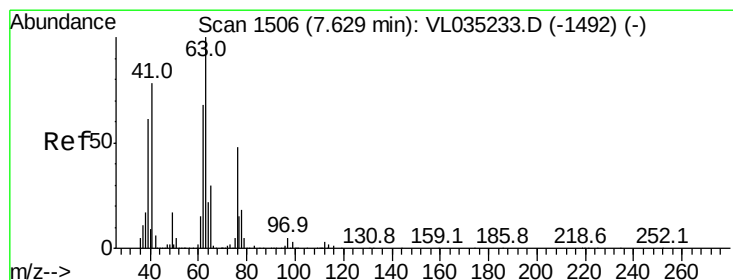
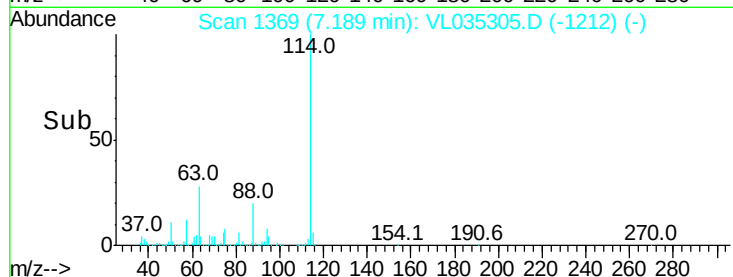
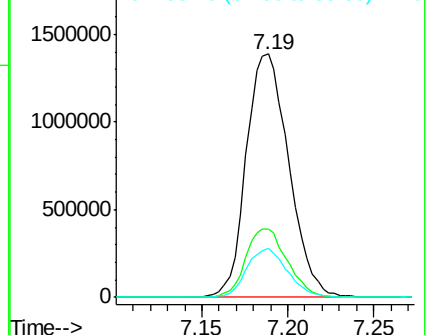
88 19.3 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 9.957 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035305.D

Acq: 31 Jul 2020 15:56

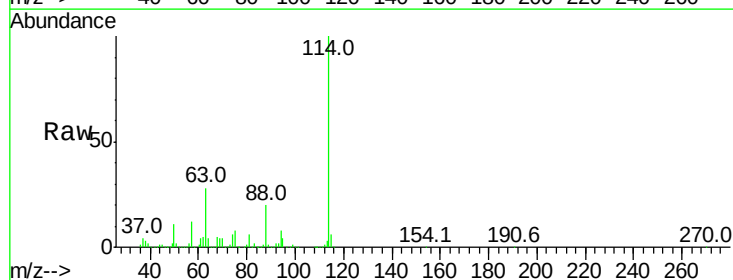
Tgt Ion: 63 Resp: 657714

Ion Ratio Lower Upper

63 100

41 0.2 62.2 93.4#

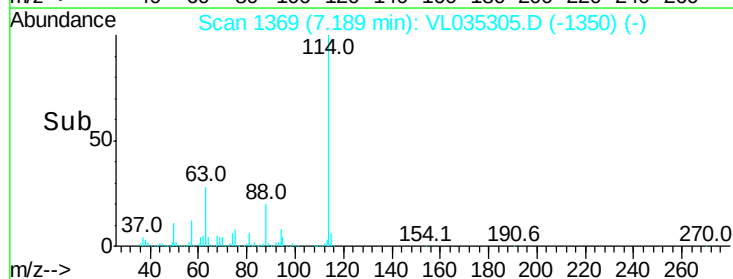
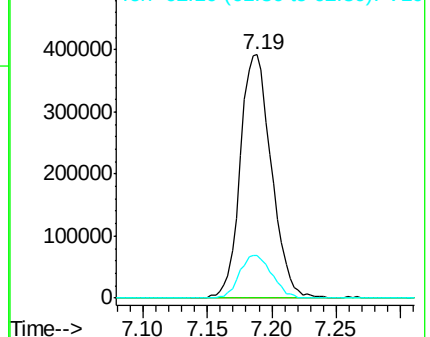
62 17.4 54.2 81.2#

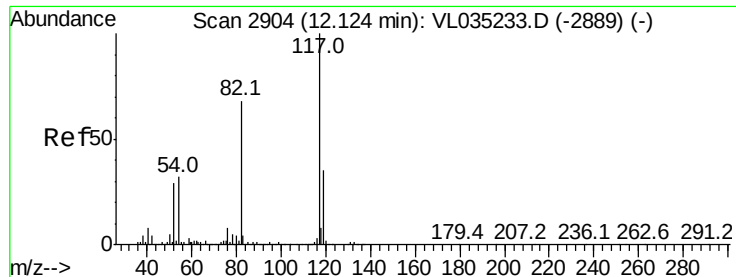


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

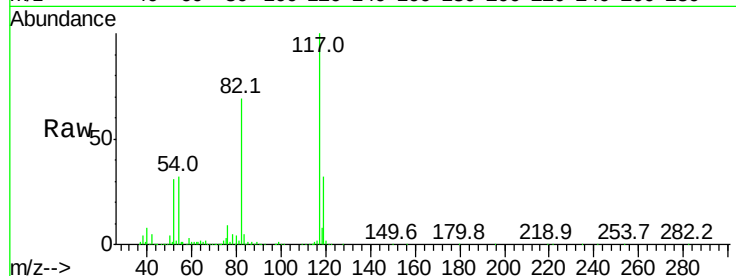




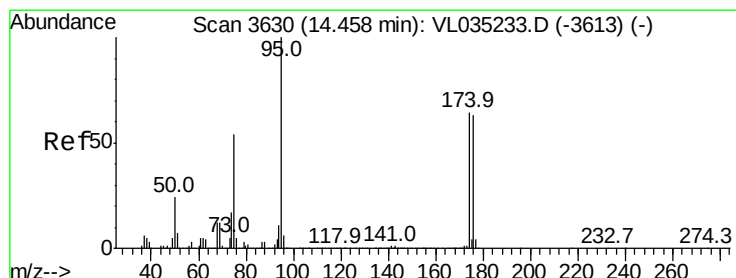
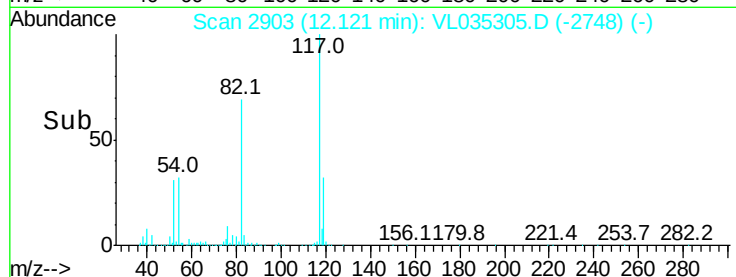
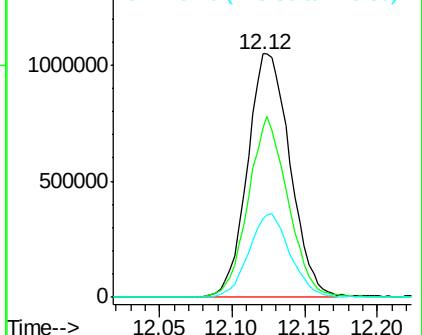
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.12 min Scan# 2903  
Delta R.T. -0.00 min  
Lab File: VL035305.D  
Acq: 31 Jul 2020 15:56

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Tgt Ion: 117 Resp: 2147022  
Ion Ratio Lower Upper  
117 100  
82 69.6 52.4 78.6  
119 33.4 24.6 36.8

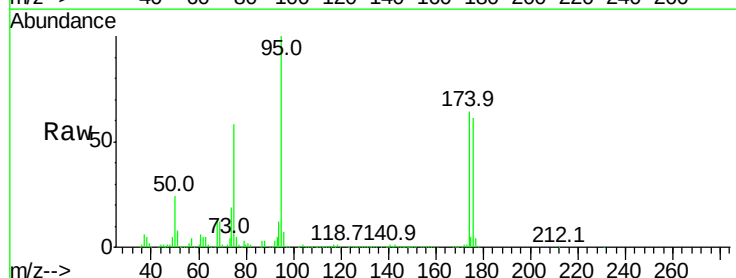


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): V  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.381 ppbv  
RT: 14.46 min Scan# 3632  
Delta R.T. 0.01 min  
Lab File: VL035305.D  
Acq: 31 Jul 2020 15:56

Tgt Ion: 95 Resp: 1781051  
Ion Ratio Lower Upper  
95 100  
174 65.4 52.7 79.1  
175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): V  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

