

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\  
 Data File : VL035268.D  
 Acq On : 30 Jul 2020 6:07  
 Operator : SY/AP  
 Sample : OC CAN 10282  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC CAN 10282

Quant Time: Jul 30 07:59:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-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   | 5.66  | 49   | 1076334  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2684230  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2403579  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1970452  | 10.26    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.60% |

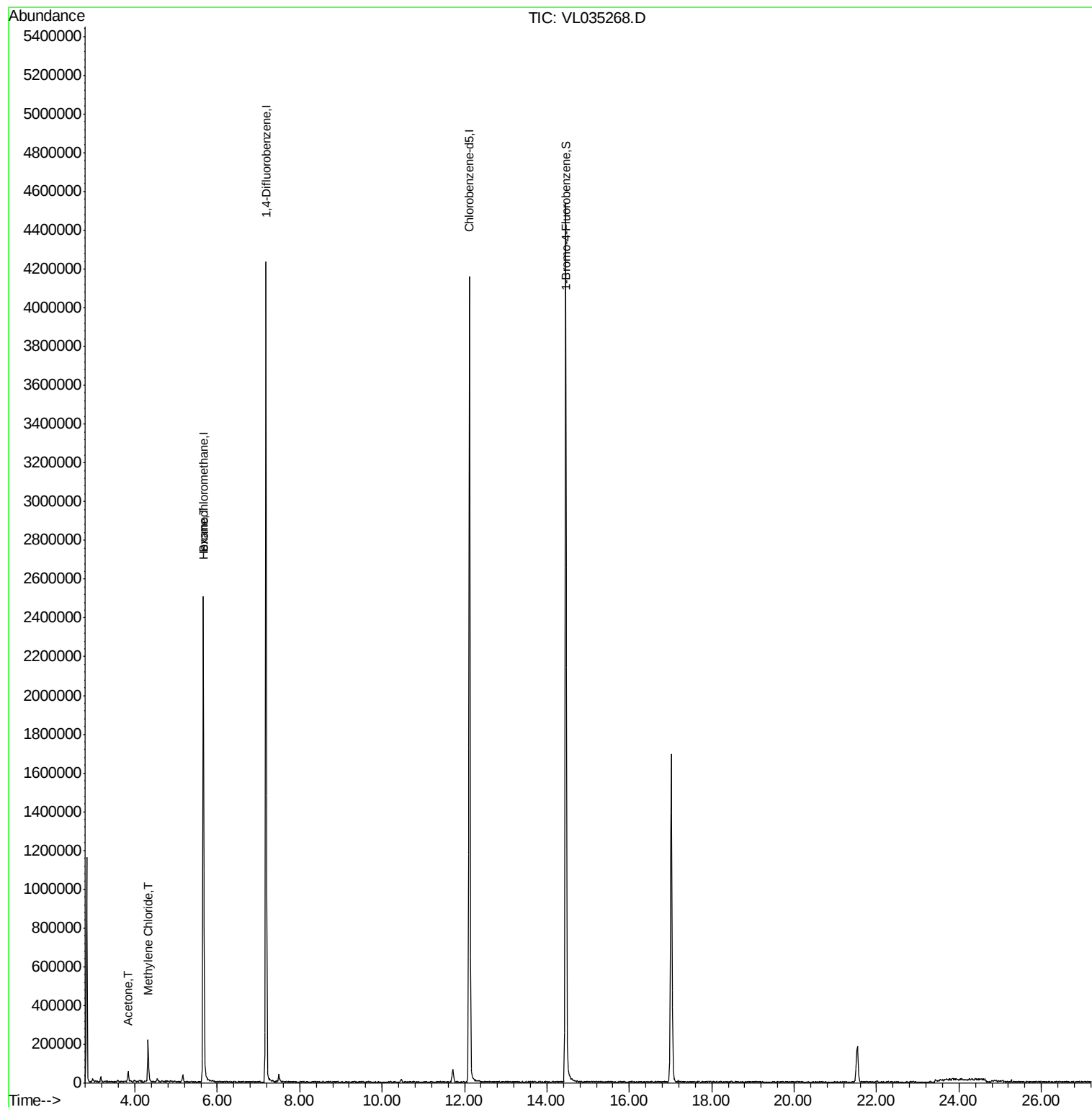
| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|------|------|----------|-------|--------|--------|
| 15) Acetone            | 3.83 | 43   | 51173    | 0.356 | ppbv # | 67     |
| 20) Methylene Chloride | 4.32 | 84   | 75039    | 1.148 | ppbv # | 91     |
| 26) Hexane             | 5.67 | 57   | 20784m   | 0.205 | ppbv   |        |

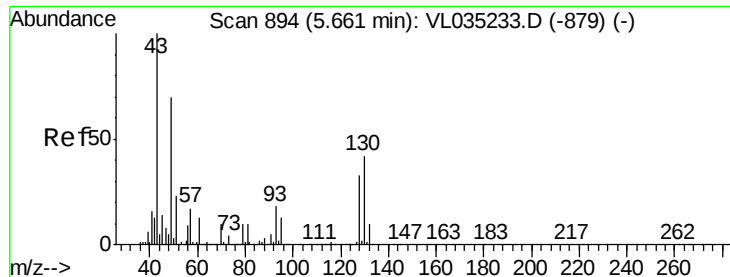
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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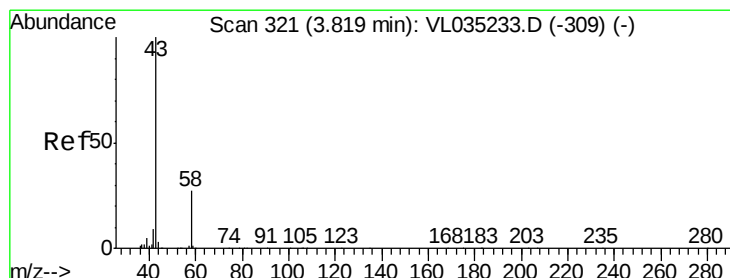
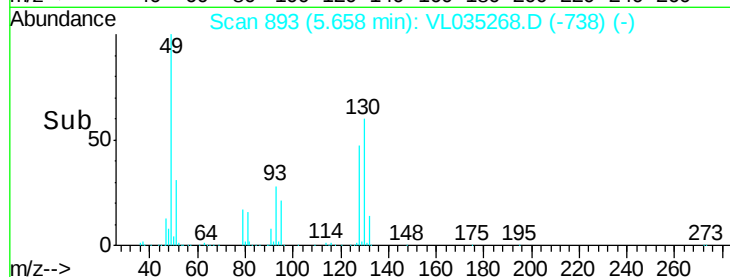
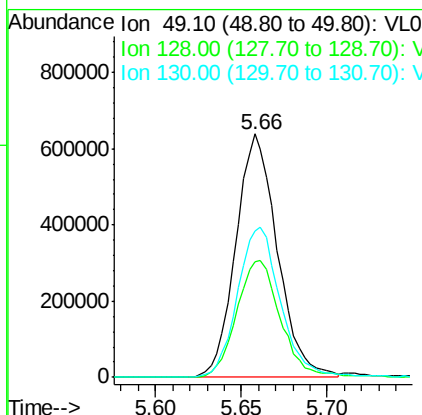
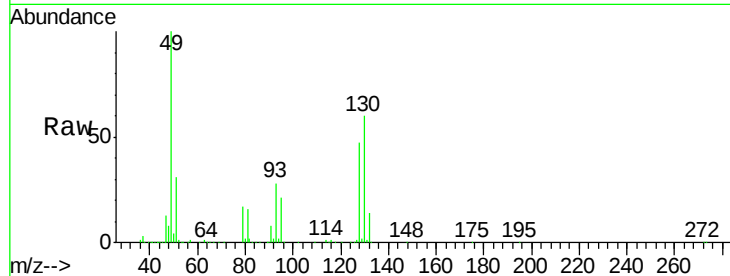




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.66 min Scan# 893  
 Delta R.T. -0.00 min  
 Lab File: VL035268.D  
 Acq: 30 Jul 2020 6:07

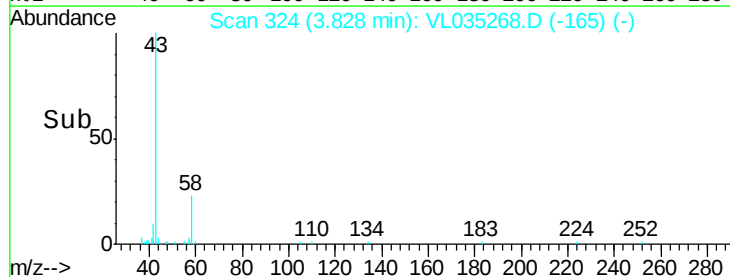
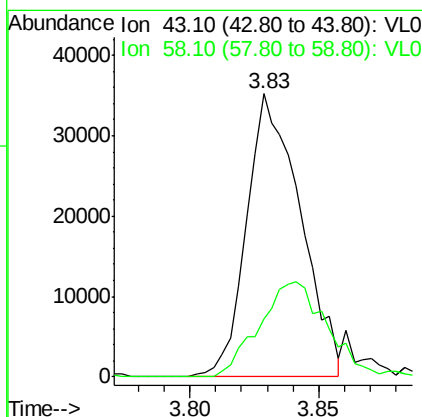
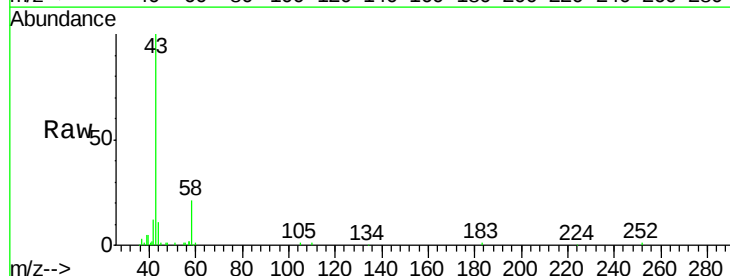
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC CAN 10282

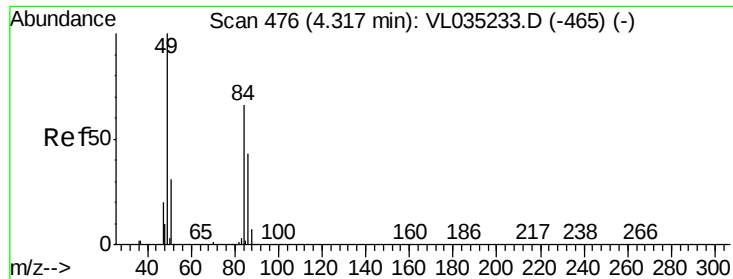
Tot Ion: 49 Resp: 1076334  
 Ion Ratio Lower Upper  
 49 100  
 128 50.8 24.0 72.0  
 130 64.0 30.7 92.1



#15  
 Acetone  
 Concen: 0.356 ppbv  
 RT: 3.83 min Scan# 324  
 Delta R.T. 0.01 min  
 Lab File: VL035268.D  
 Acq: 30 Jul 2020 6:07

Tgt Ion: 43 Resp: 51173  
 Ion Ratio Lower Upper  
 43 100  
 58 44.1 21.8 32.6#

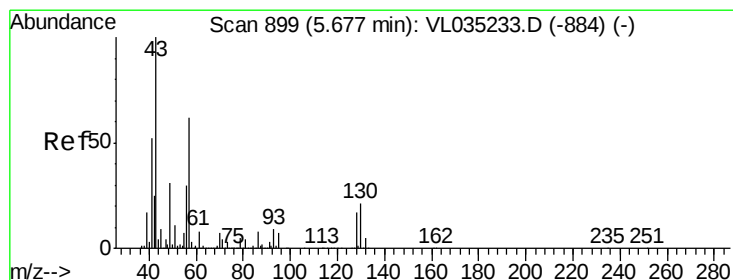
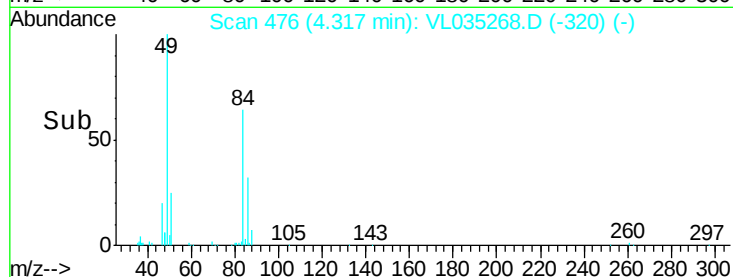
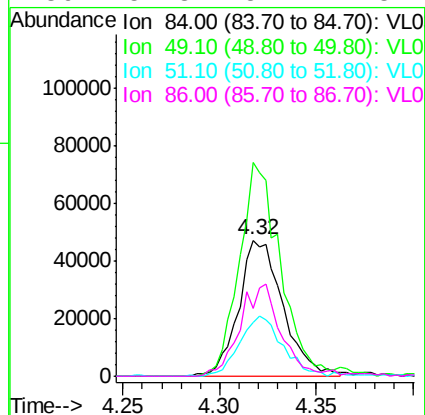
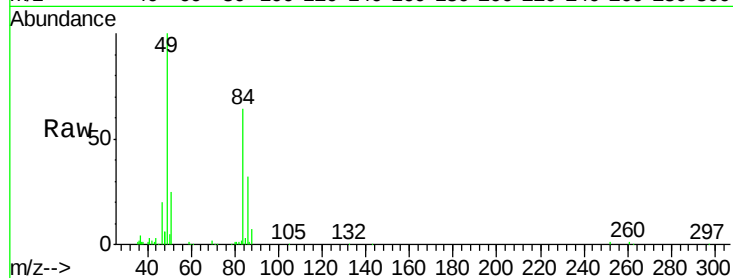




#20  
Methvlene Chloride  
Concen: 1.148 ppbv  
RT: 4.32 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VL035268.D  
Acq: 30 Jul 2020 6:07

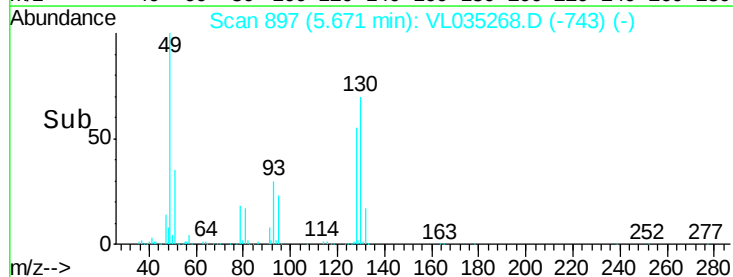
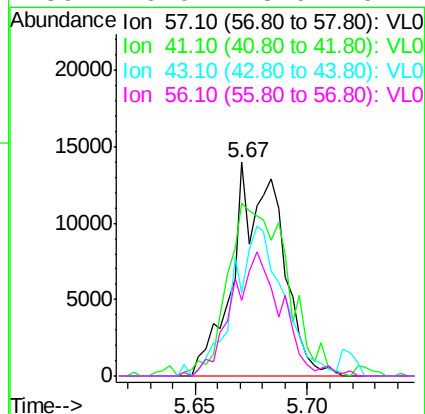
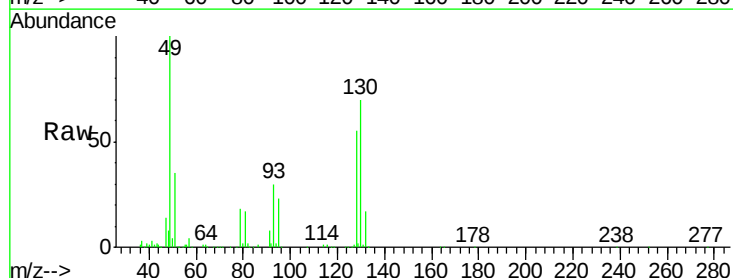
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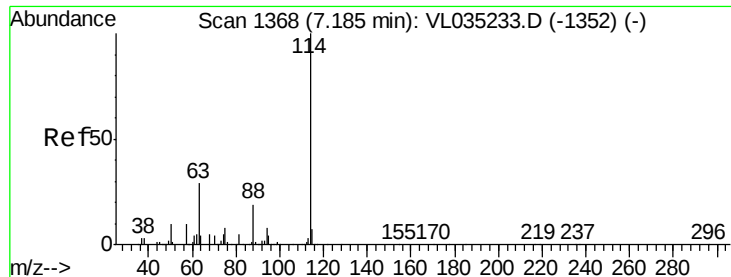
Tot Ion: 84 Resp: 75039  
Ion Ratio Lower Upper  
84 100  
49 157.0 121.0 181.4  
51 38.6 37.7 56.5  
86 51.3 52.2 78.4#



#26  
Hexane  
Concen: 0.205 ppbv m  
RT: 5.67 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: VL035268.D  
Acq: 30 Jul 2020 6:07

Tgt Ion: 57 Resp: 20784  
Ion Ratio Lower Upper  
57 100  
41 103.1 73.9 110.9  
43 0.0 177.6 266.4#  
56 0.0 43.0 64.4#

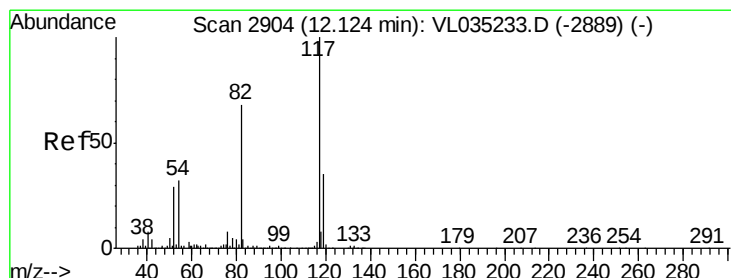
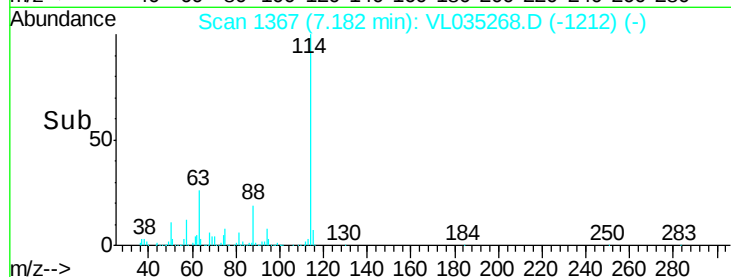
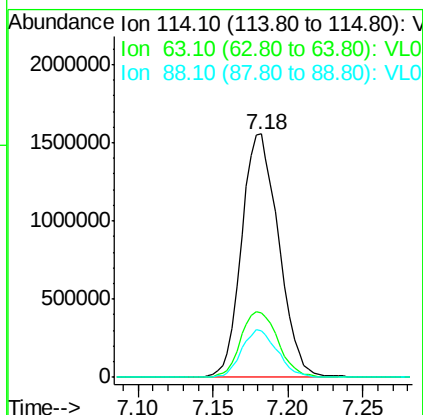
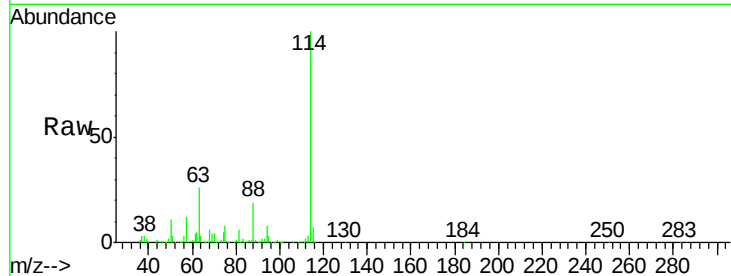




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min Scan# 1367  
 Delta R.T. -0.00 min  
 Lab File: VL035268.D  
 Acq: 30 Jul 2020 6:07

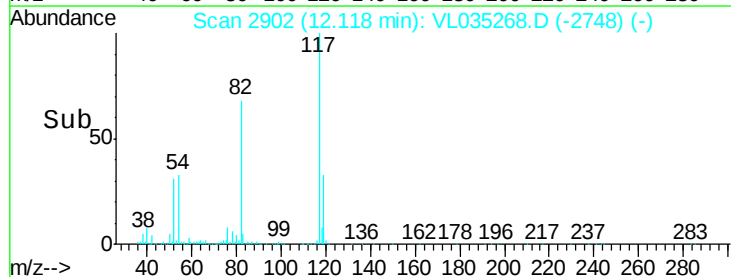
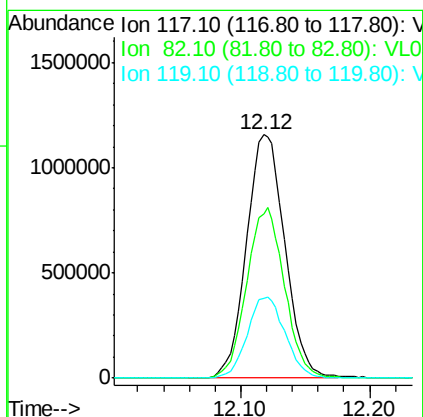
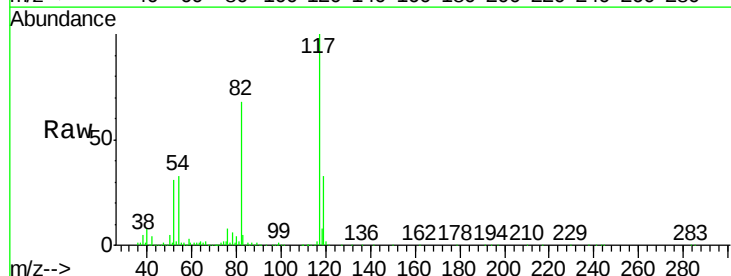
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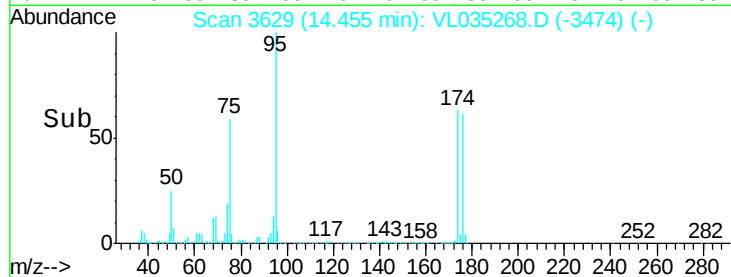
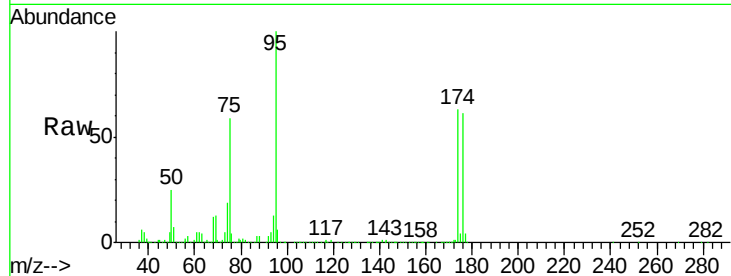
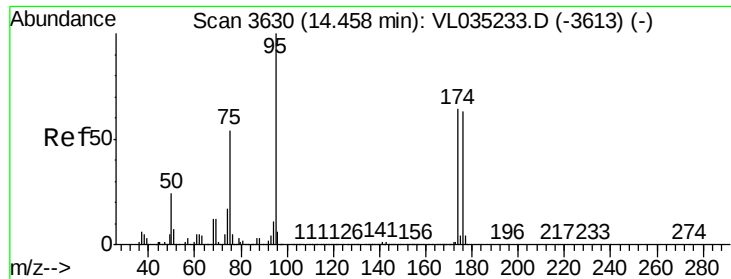
Tot Ion:114 Resp: 2684230  
 Ion Ratio Lower Upper  
 114 100  
 63 27.4 22.2 33.2  
 88 19.0 15.4 23.0



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.12 min Scan# 2902  
 Delta R.T. -0.01 min  
 Lab File: VL035268.D  
 Acq: 30 Jul 2020 6:07

Tgt Ion:117 Resp: 2403579  
 Ion Ratio Lower Upper  
 117 100  
 82 69.1 52.4 78.6  
 119 33.0 24.6 36.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.259 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035268.D

Acq: 30 Jul 2020 6:07

Instrument :

MSVOA\_L

ClientSampleId :

QC CAN 10282

Tot Ion: 95 Resp: 1970452

Ion Ratio Lower Upper

95 100

174 66.3 52.7 79.1

175 4.6 3.9 5.9

