

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\  
 Data File : VL036687.D  
 Acq On : 6 Apr 2021 00:27  
 Operator : SY/AP  
 Sample : M1945-02DL 40X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2DL

Manual Integrations  
 APPROVED

MMDadoda  
 4/6/2021 5:14:34 PM

Quant Time: Apr 06 14:43:38 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1310811  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3225290  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2951816  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2335258  | 9.93     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.30% |

| Target Compounds | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------|------|------|----------|-------|-------|--------|
| 15) Acetone      | 3.87 | 43   | 114293m  | 0.886 | ppbv  |        |

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

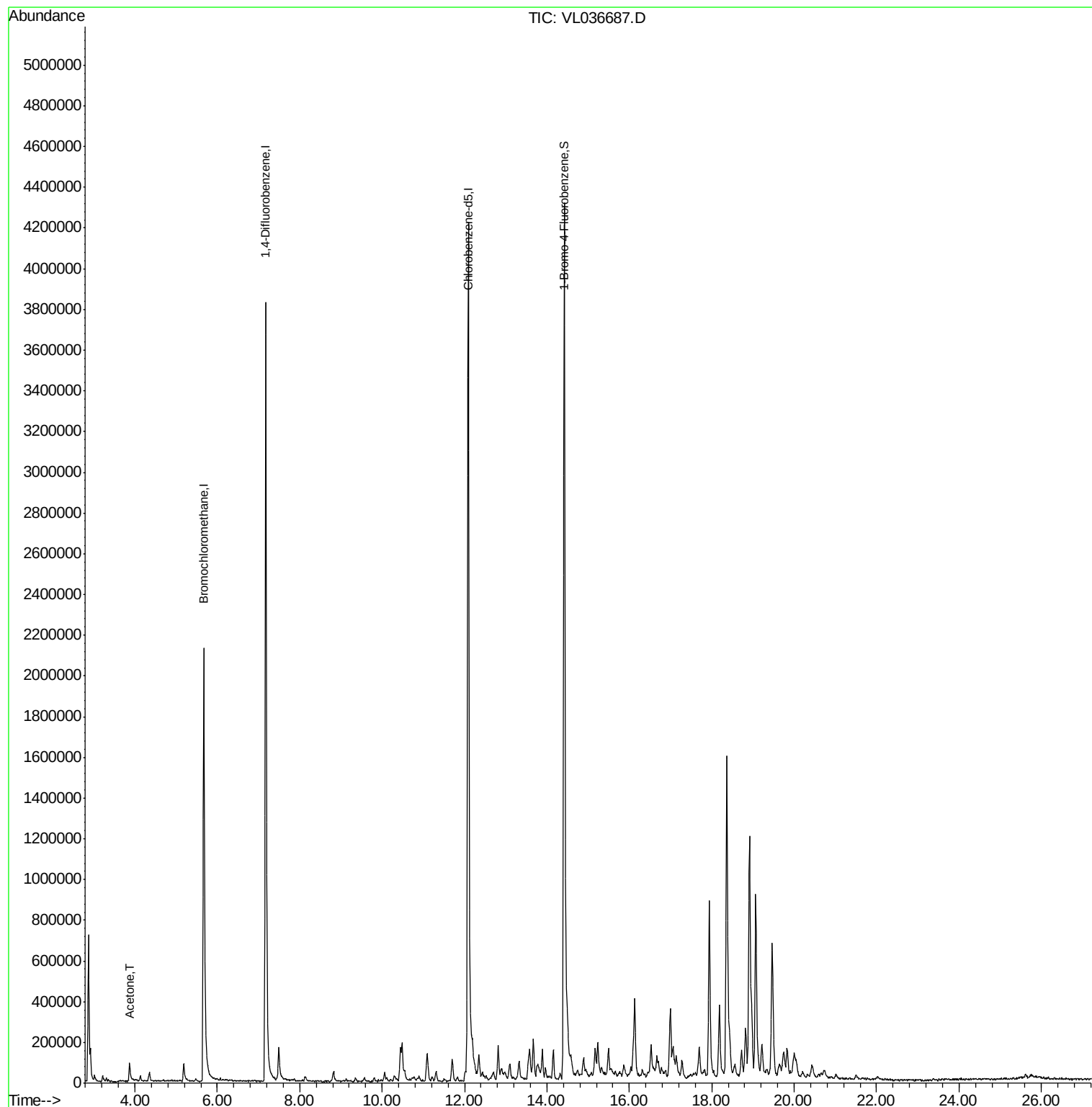
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040521\  
Data File : VL036687.D  
Acq On : 6 Apr 2021 00:27  
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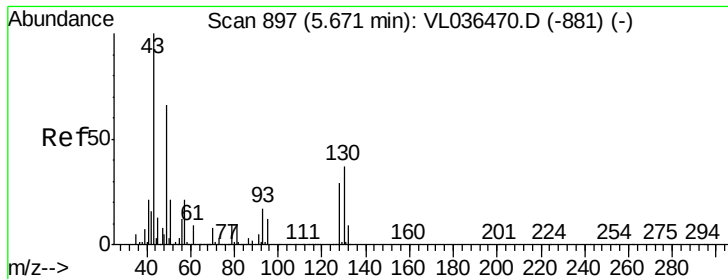
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar  
QLast Update : Thu Mar 25 09:42:40 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

Instrument :

MSVOA\_L

ClientSampled :

SV2DL

Tot Ion: 49 Resp: 1310811

Ion Ratio Lower Upper

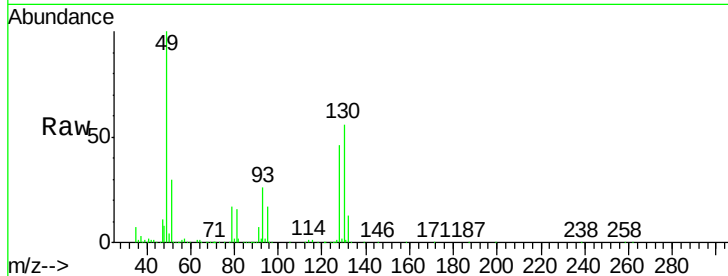
49 100

128 47.2 23.5 70.6

130 60.0 29.1 87.4

Manual Integrations  
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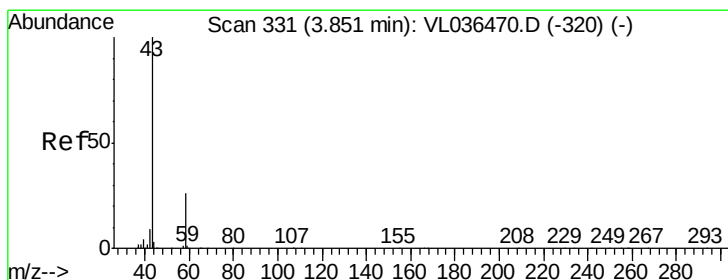
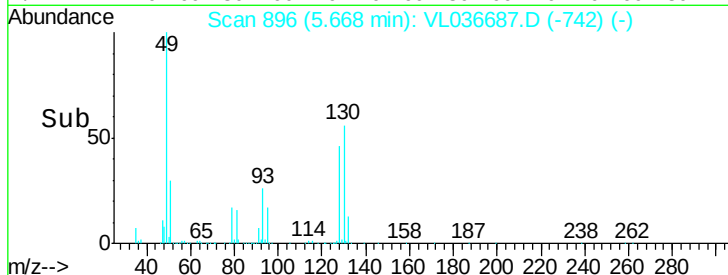
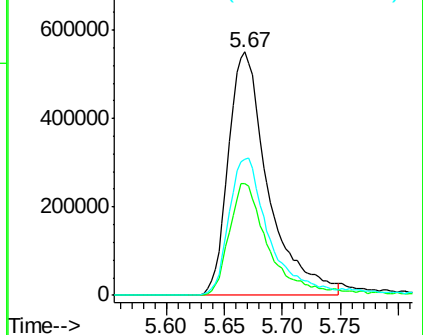
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.886 ppbv m

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036687.D

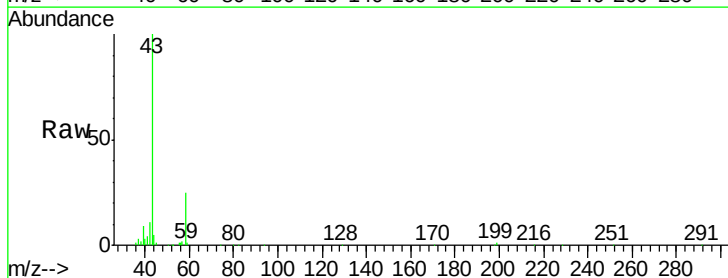
Acq: 6 Apr 2021 00:27

Tgt Ion: 43 Resp: 114293

Ion Ratio Lower Upper

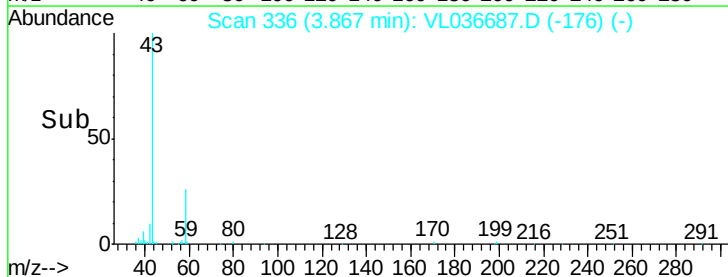
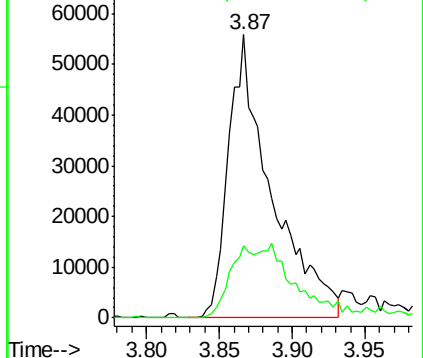
43 100

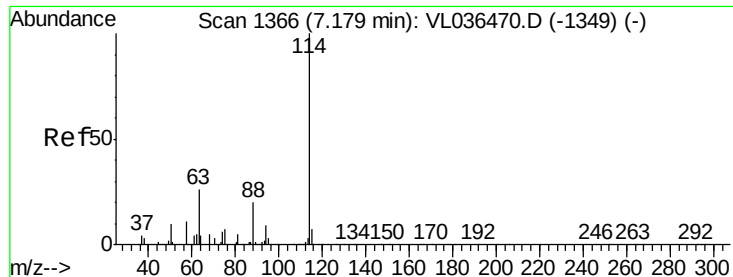
58 0.0 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





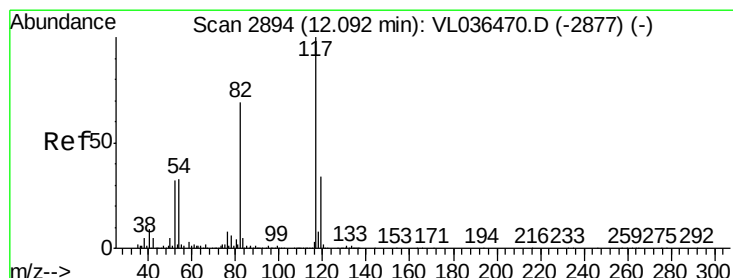
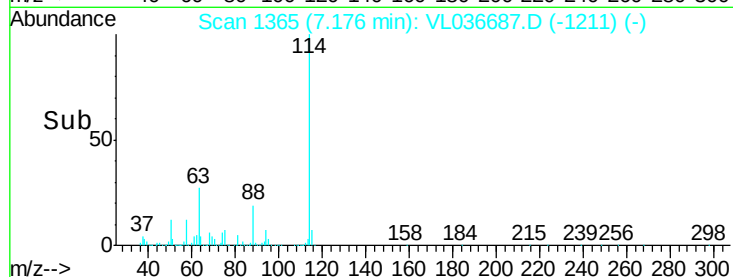
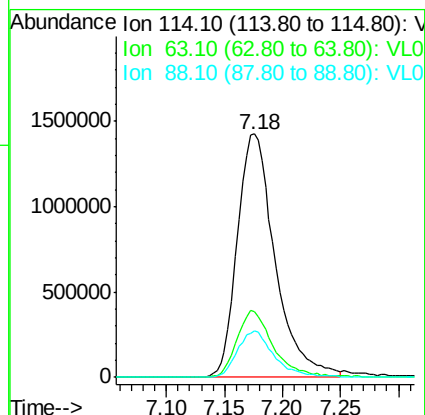
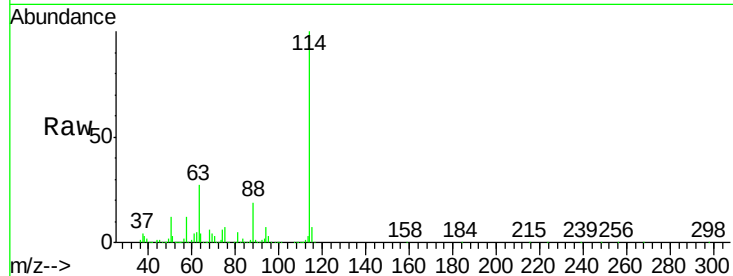
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VL036687.D  
 Acq: 6 Apr 2021 00:27

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2DL

Tot Ion:114 Resp: 3225290  
 Ion Ratio Lower Upper  
 114 100  
 63 26.7 22.4 33.6  
 88 18.7 15.4 23.0

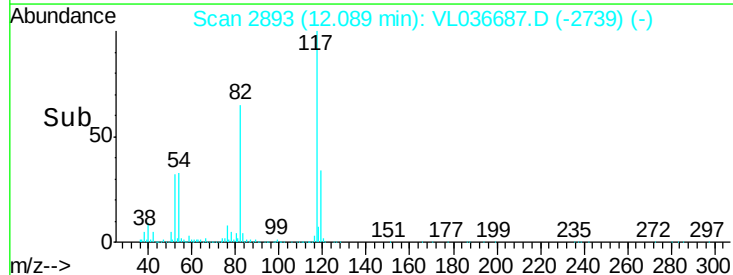
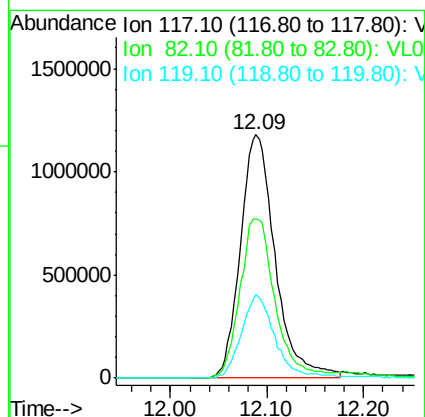
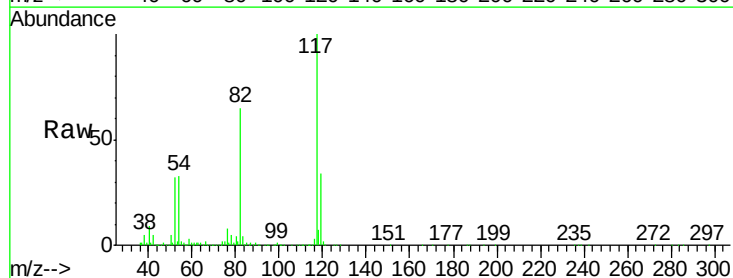
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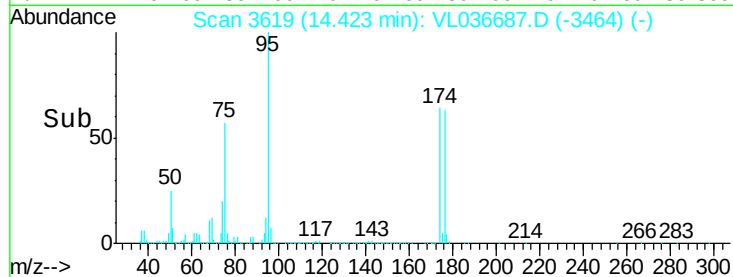
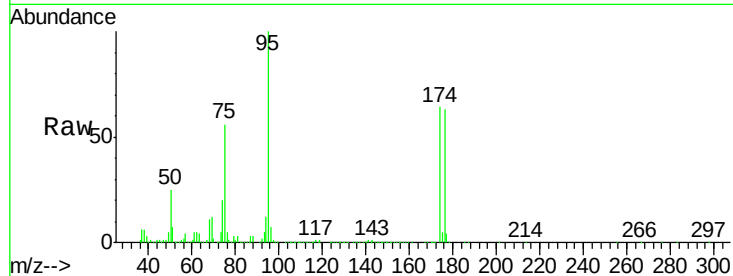
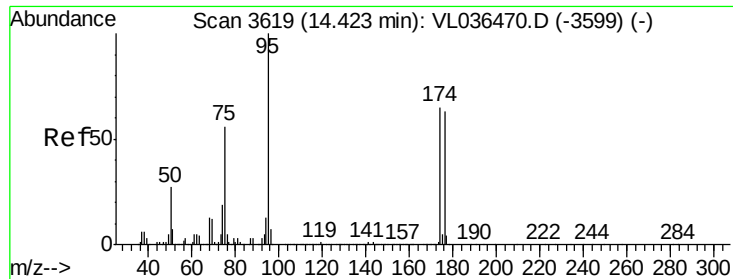
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#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.09 min Scan# 2893  
 Delta R.T. -0.00 min  
 Lab File: VL036687.D  
 Acq: 6 Apr 2021 00:27

Tgt Ion:117 Resp: 2951816  
 Ion Ratio Lower Upper  
 117 100  
 82 69.6 57.4 86.0  
 119 33.9 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.926 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

Tot Ion: 95 Resp: 2335258

Ion Ratio Lower Upper

95 100

174 66.8 51.0 76.6

175 5.2 3.9 5.9

Instrument :

MSVOA\_L

ClientSampleId :

SV2DL

Manual Integrations  
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