

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035244.D
 Acq On : 29 Jul 2020 13:36
 Operator : SY/AP
 Sample : L3474-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1-VOA

Manual Integrations
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 7/30/2020 6:10:45 PM

Quant Time: Jul 30 11:09:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 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	5.65	49	1398145	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3283865	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3021879	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2413553	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	23978m	0.444	ppbv	
13) Ethanol	3.58	45	1114939	50.778	ppbv	96
15) Acetone	3.81	43	3950282	21.182	ppbv	97
19) Isopropyl Alcohol	3.95	45	10947791	89.008	ppbv #	97
20) Methylene Chloride	4.32	84	604509	7.121	ppbv	99
26) Hexane	5.68	57	901295	6.860	ppbv #	42
28) Methyl tert-Butyl Ether	5.01	73	46715	0.249	ppbv	100
29) Chloroform	5.74	83	668020	3.032	ppbv	99
53) Toluene	9.83	91	65515	0.270	ppbv	99

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

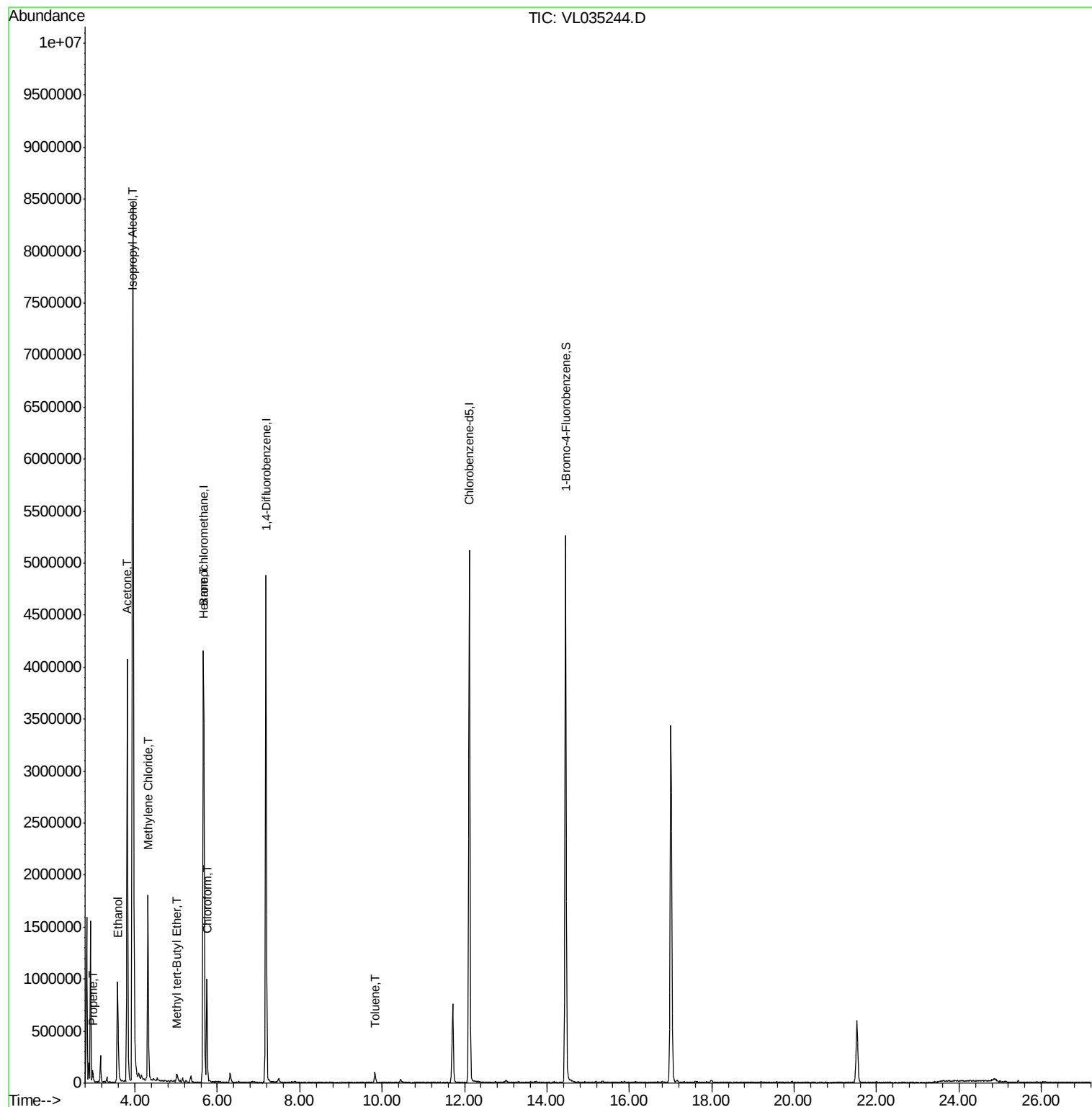
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072920\
Data File : VL035244.D
Acq On : 29 Jul 2020 13:36
Operator : SY/AP
Sample : L3474-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

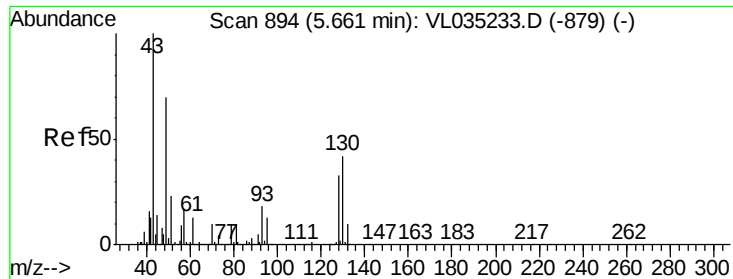
Instrument :
MSVOA_L
ClientSampleId :
1-VOA

Manual Integrations
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7/30/2020 6:10:45 PM

Quant Time: Jul 30 11:09:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035244.D

Acq: 29 Jul 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

1-VOA

Tot Ion: 49 Resp: 1398145

Ion Ratio Lower Upper

49 100

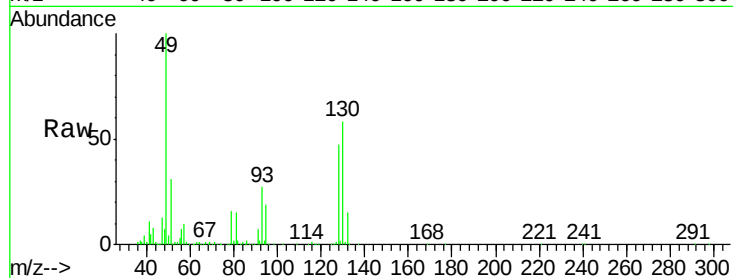
128 48.5 24.0 72.0

130 61.8 30.7 92.1

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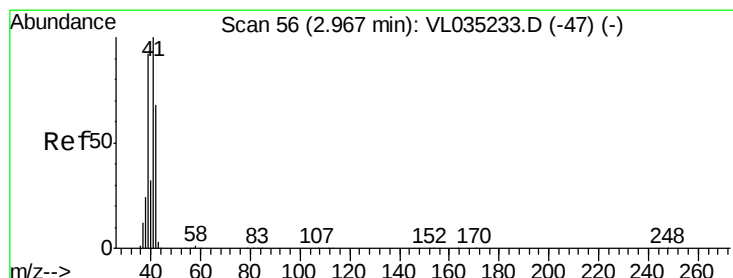
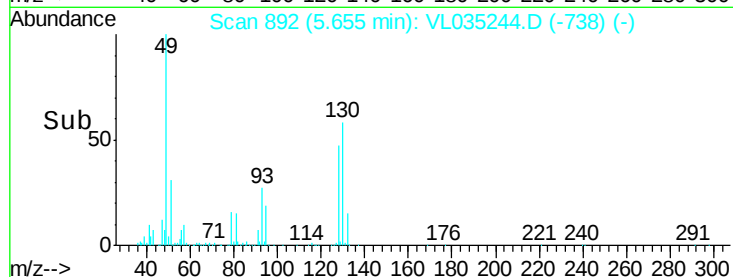
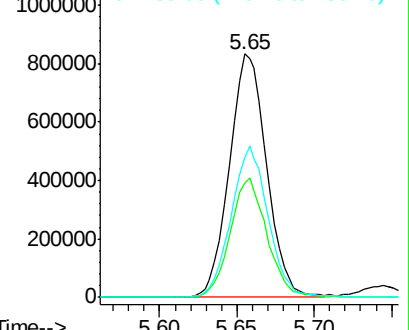
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.444 ppbv m

RT: 2.97 min Scan# 58

Delta R.T. 0.01 min

Lab File: VL035244.D

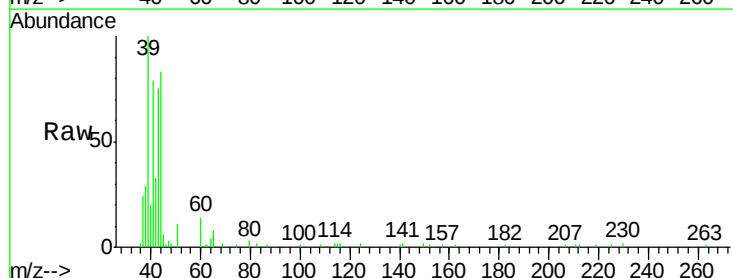
Acq: 29 Jul 2020 13:36

Tgt Ion: 41 Resp: 23978

Ion Ratio Lower Upper

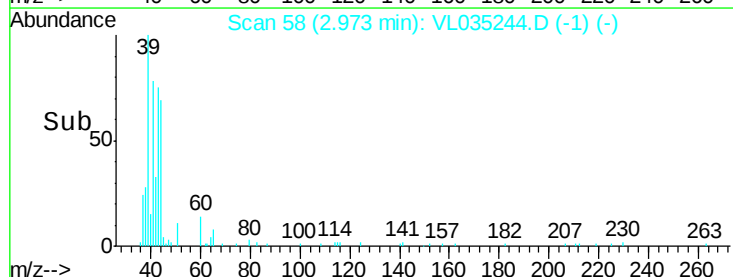
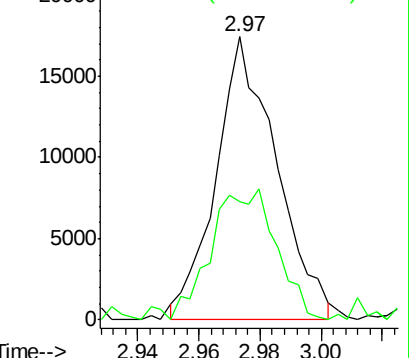
41 100

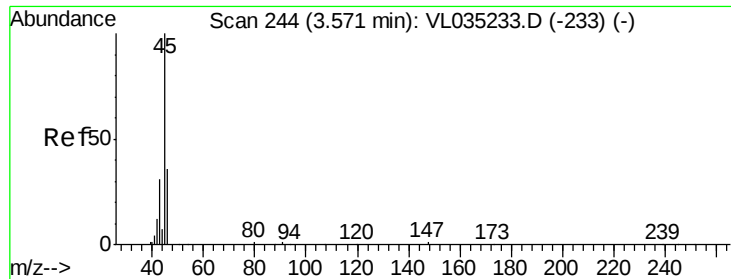
42 174.3 55.0 82.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





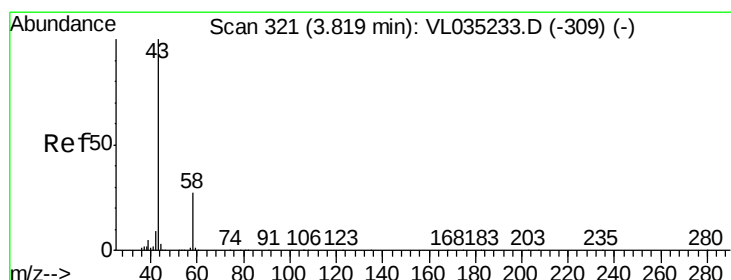
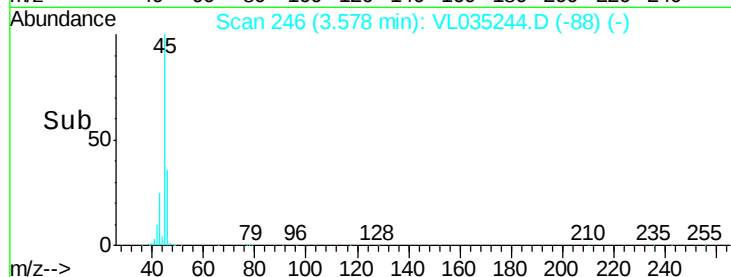
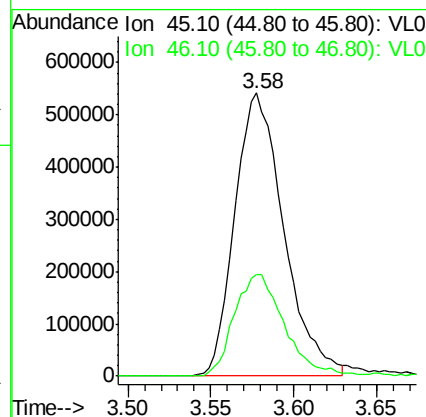
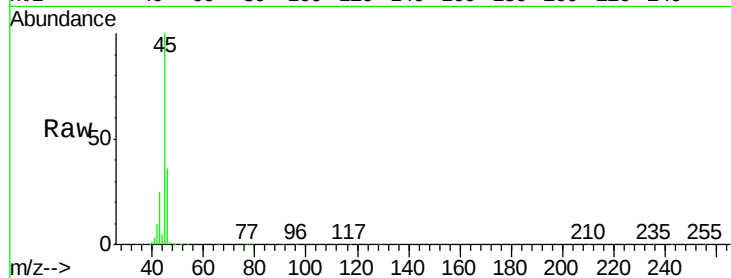
#13
Ethanol
Concen: 50.778 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
1-VOA

Tot Ion: 45 Resp: 1114939
Ion Ratio Lower Upper
45 100
46 37.2 15.8 63.4

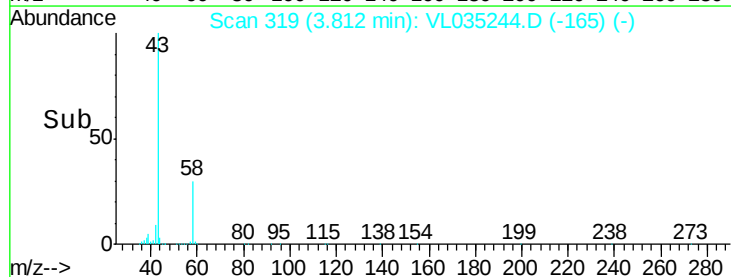
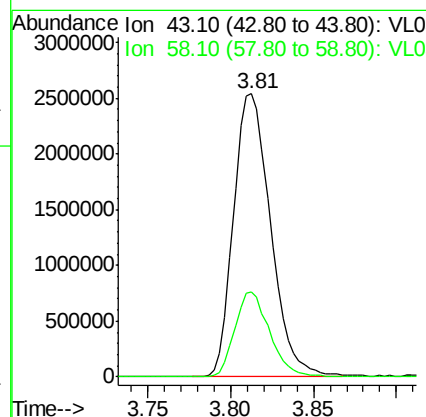
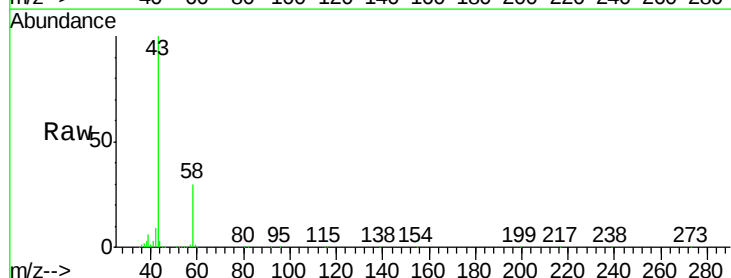
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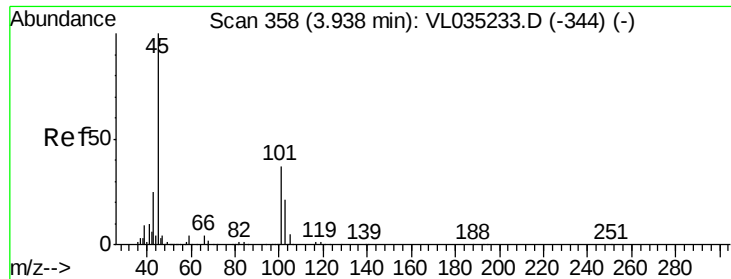
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#15
Acetone
Concen: 21.182 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 43 Resp: 3950282
Ion Ratio Lower Upper
43 100
58 28.6 21.8 32.6





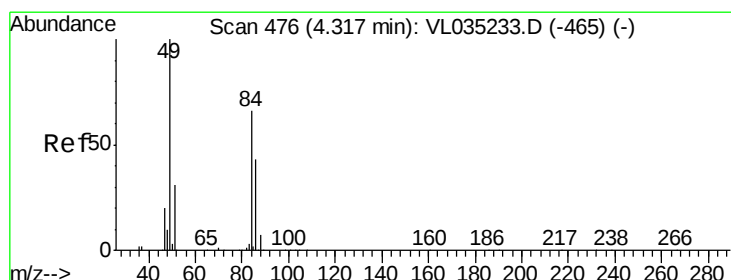
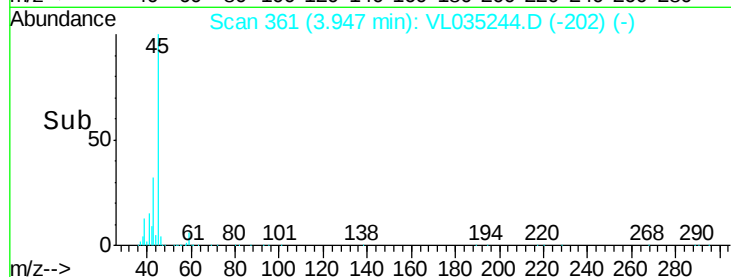
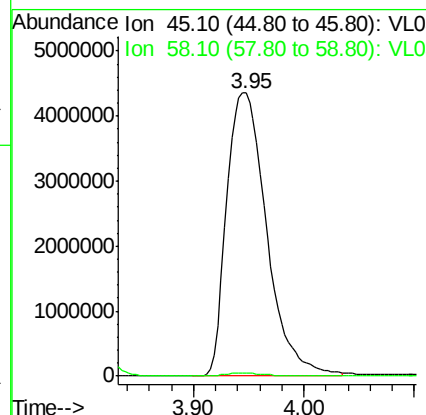
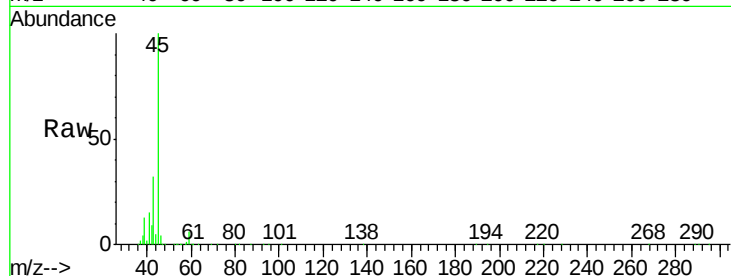
#19
Isopropyl Alcohol
Concen: 89.008 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampled :
1-VOA

Tot Ion: 45 Resp: 10947791
Ion Ratio Lower Upper
45 100
58 1.2 1.9 2.9#

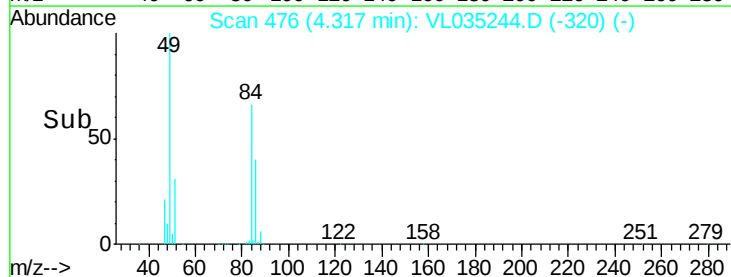
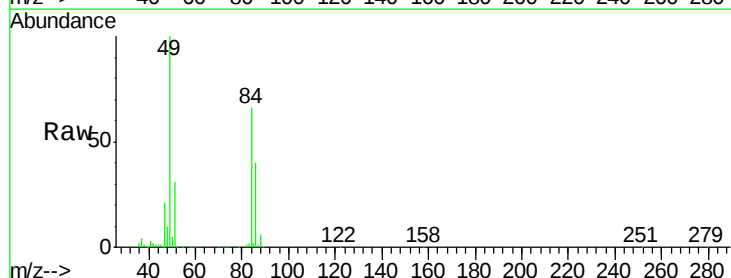
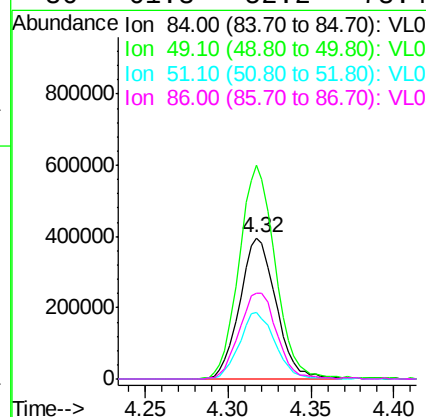
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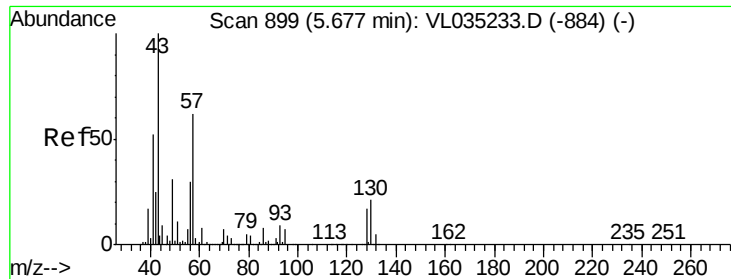
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#20
Methylene Chloride
Concen: 7.121 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 84 Resp: 604509
Ion Ratio Lower Upper
84 100
49 151.5 121.0 181.4
51 46.9 37.7 56.5
86 61.3 52.2 78.4





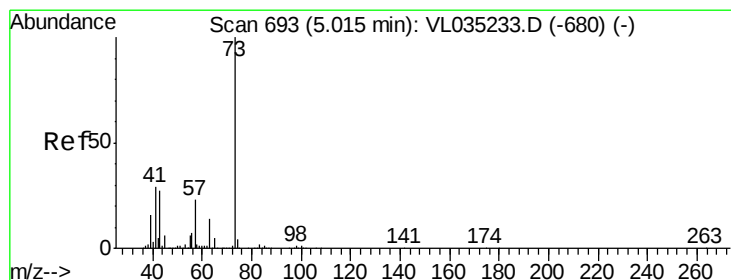
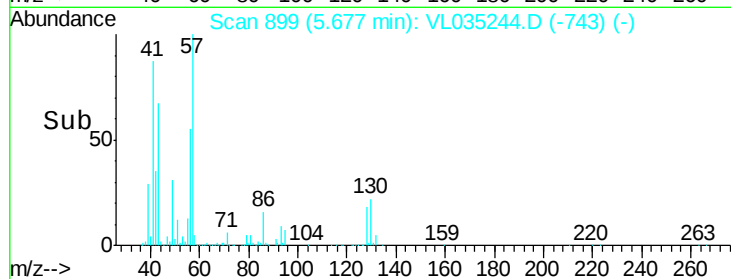
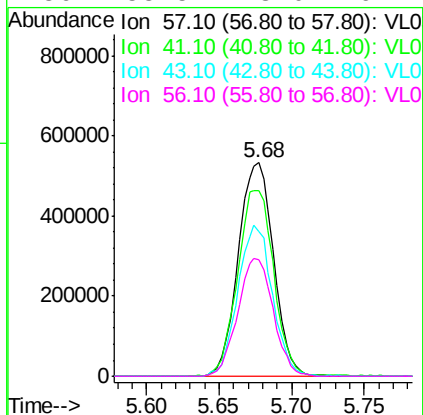
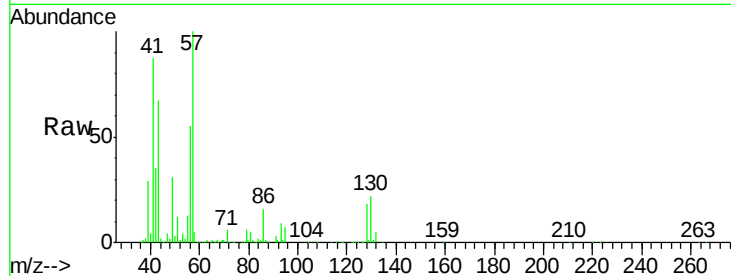
#26
Hexane
Concen: 6.860 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
1-VOA

Tot Ion	Ratio	Lower	Upper
57	100		
41	89.7	73.9	110.9
43	69.5	177.6	266.4#
56	55.5	43.0	64.4

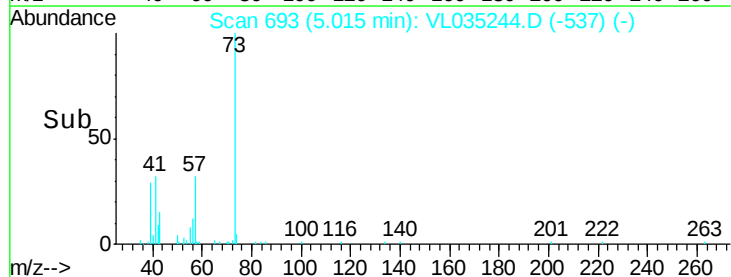
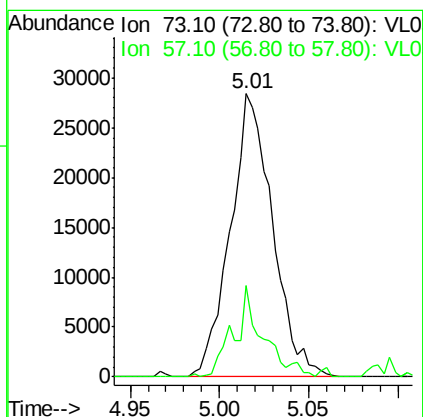
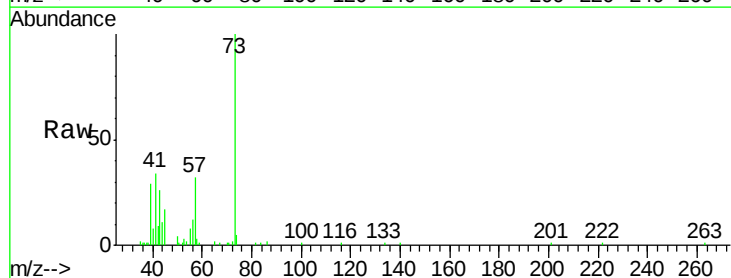
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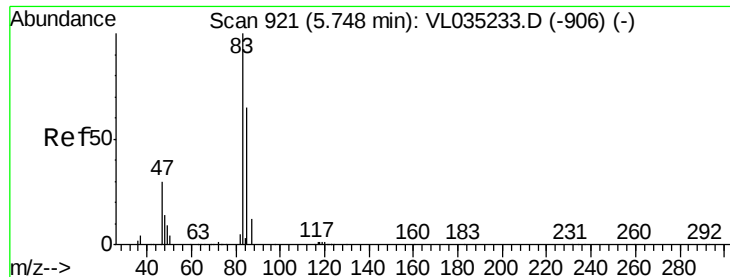
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#28
Methyl tert-Butyl Ether
Concen: 0.249 ppbv
RT: 5.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.4





#29

Chloroform

Concen: 3.032 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.00 min

Lab File: VL035244.D

Acq: 29 Jul 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

1-VOA

Tot Ion: 83 Resp: 668020

Ion Ratio Lower Upper

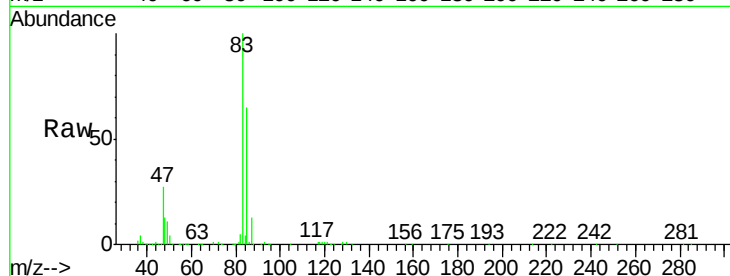
83 100

85 65.2 51.7 77.5

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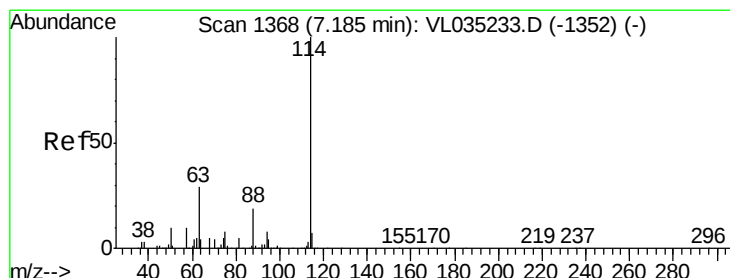
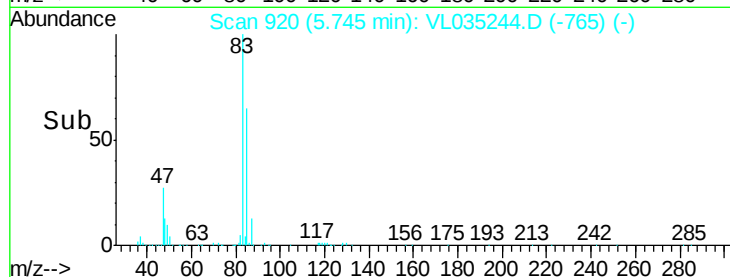
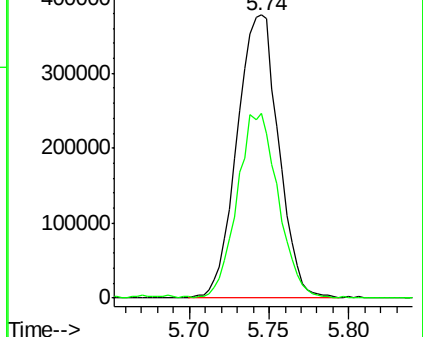
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035244.D

Acq: 29 Jul 2020 13:36

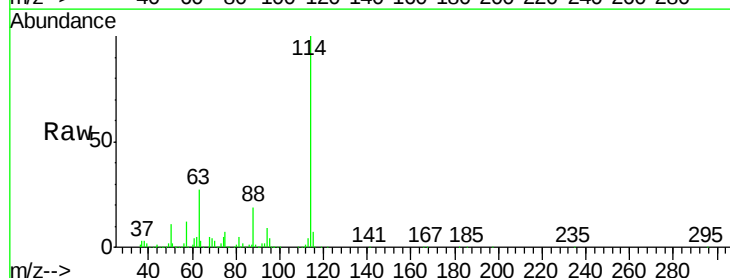
Tgt Ion: 114 Resp: 3283865

Ion Ratio Lower Upper

114 100

63 26.8 22.2 33.2

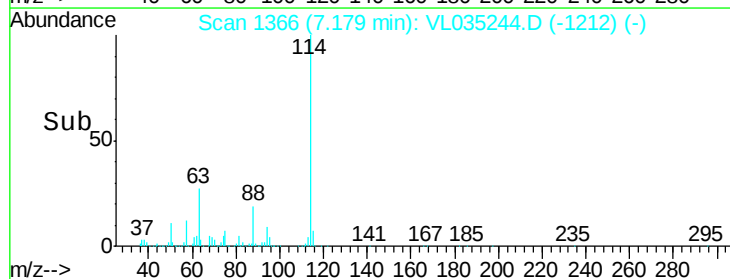
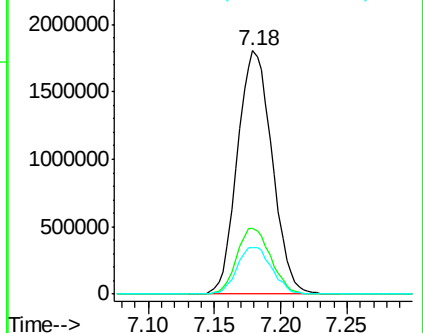
88 19.3 15.4 23.0

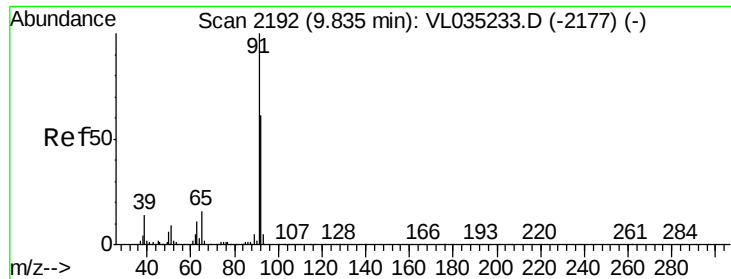


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.270 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL035244.D

Acq: 29 Jul 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

1-VOA

Tot Ion: 91 Resp: 65515

Ion Ratio Lower Upper

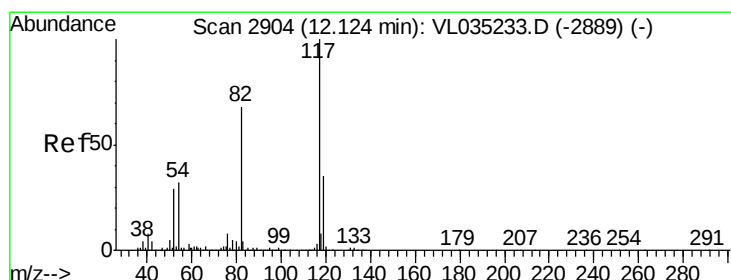
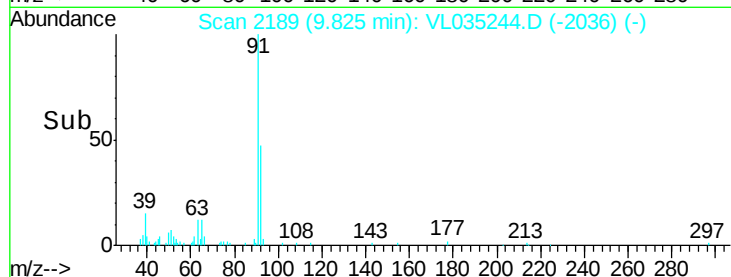
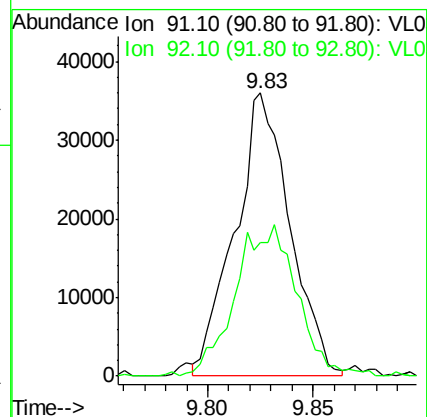
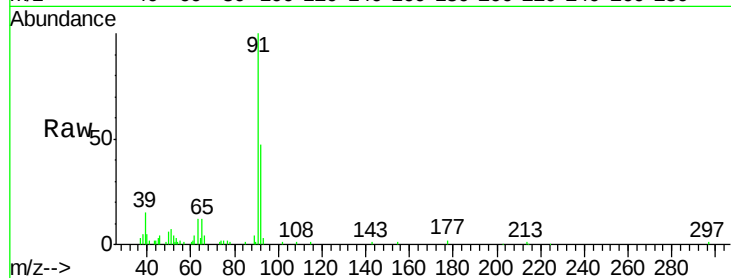
91 100

92 59.8 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL035244.D

Acq: 29 Jul 2020 13:36

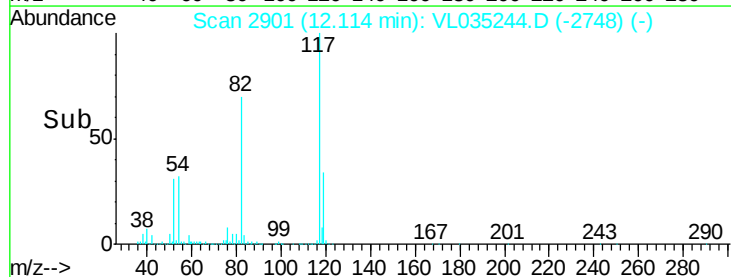
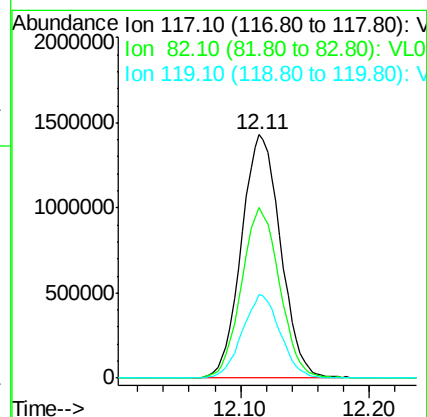
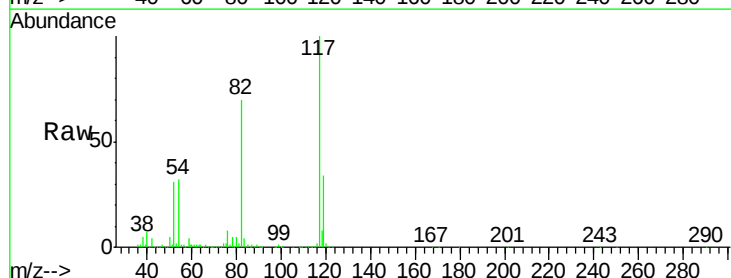
Tgt Ion: 117 Resp: 3021879

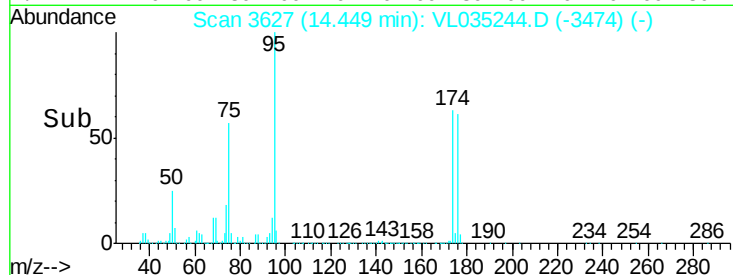
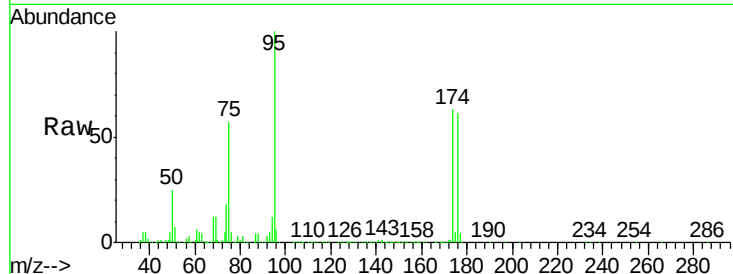
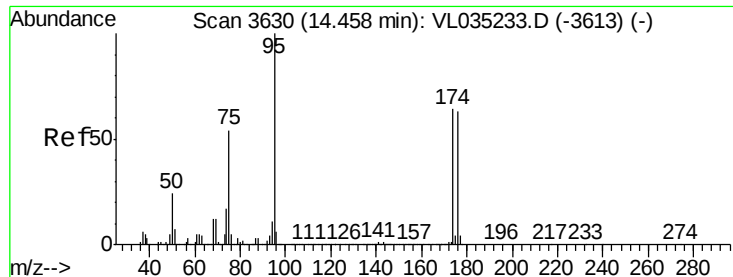
Ion Ratio Lower Upper

117 100

82 68.5 52.4 78.6

119 33.2 24.6 36.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.995 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.01 min
 Lab File: VL035244.D
 Acq: 29 Jul 2020 13:36

Tot Ion:	95	Resp:	2413553
Ion Ratio	Lower	Upper	
95	100		
174	65.5	52.7	79.1
175	4.9	3.9	5.9

Instrument :
 MSVOA_L
 ClientSampleId :
 1-VOA

Manual Integrations
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