

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034156.D
 Acq On : 10 Sep 2019 23:41
 Operator : SY/AP
 Sample : K4775-03DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL2

Manual Integrations
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 9/12/2019 5:17:29 AM

Quant Time: Sep 11 04:25:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 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	659601	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1218822	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.17	117	1202934	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1031803	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	21961	0.534	ppbv	94
13) Ethanol	3.61	45	9253m	1.148	ppbv	
15) Acetone	3.85	43	620322	7.803	ppbv	99
17) tert-Butyl alcohol	4.32	59	8508m	0.147	ppbv	
19) Isopropyl Alcohol	3.99	45	13712m	0.256	ppbv	
26) Hexane	5.72	57	19036	0.245	ppbv #	41
32) 1,1,1-Trichloroethane	6.55	97	19530	0.198	ppbv	96
34) 2-Butanone	5.28	43	56715	0.484	ppbv	99
52) Tetrachloroethene	11.30	164	60148	1.224	ppbv	92

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

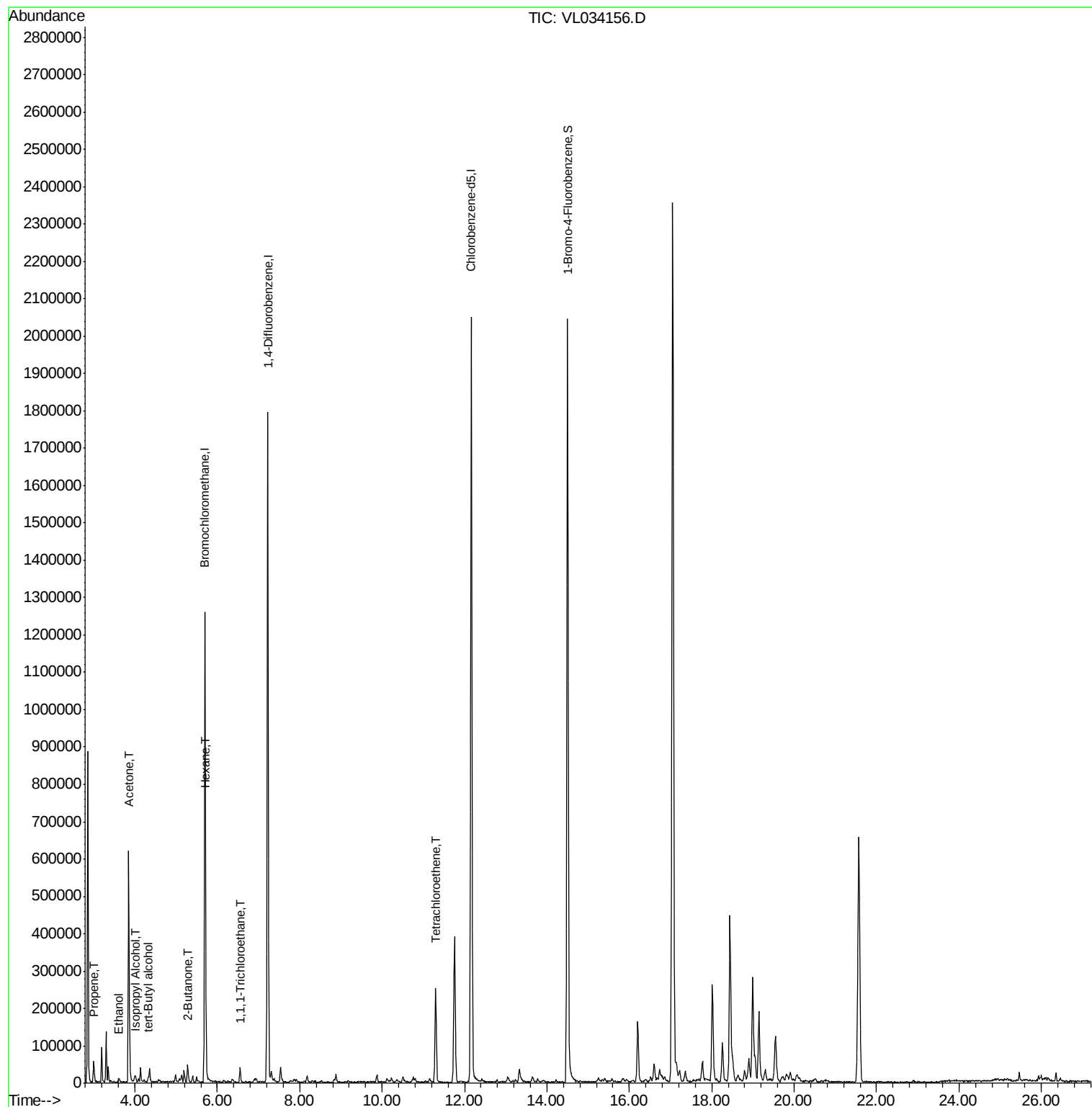
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Data File : VL034156.D
Acq On : 10 Sep 2019 23:41
Operator : SY/AP
Sample : K4775-03DL2 200X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

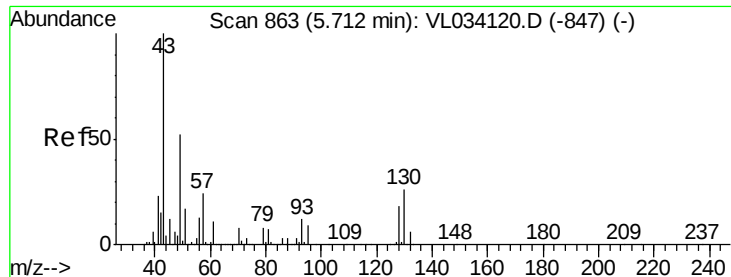
Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Manual Integrations
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9/12/2019 5:17:29 AM

Quant Time: Sep 11 04:25:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034156.D

Acq: 10 Sep 2019 23:41

Instrument :

MSVOA_L

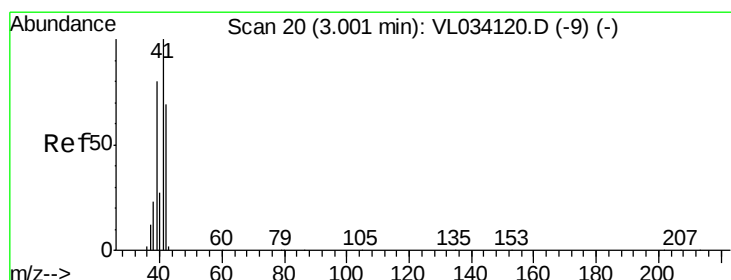
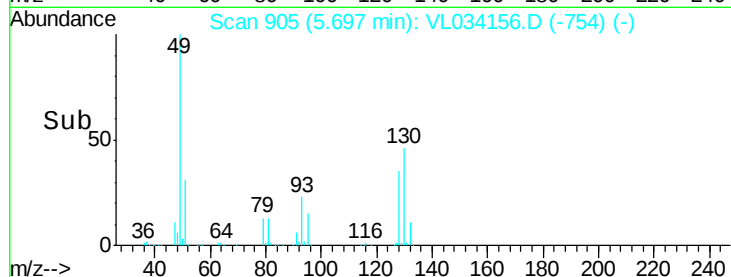
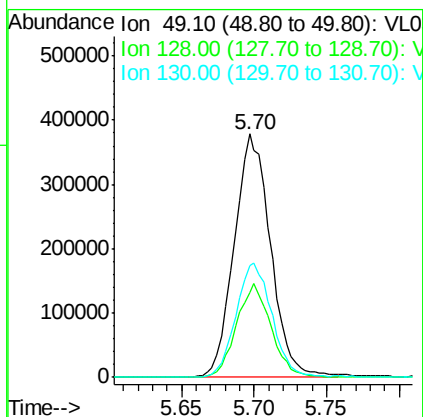
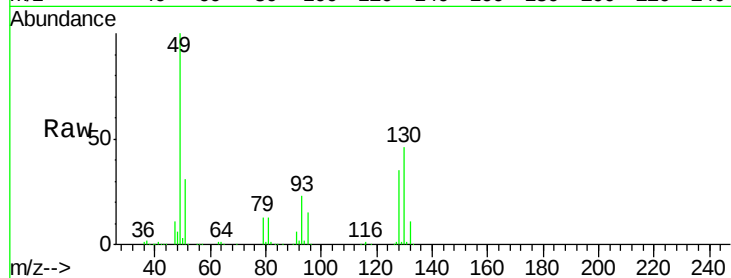
ClientSampled :

SV3DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	37.1	18.4	55.0
130	47.0	23.5	70.6

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#9

Propene

Concen: 0.534 ppbv

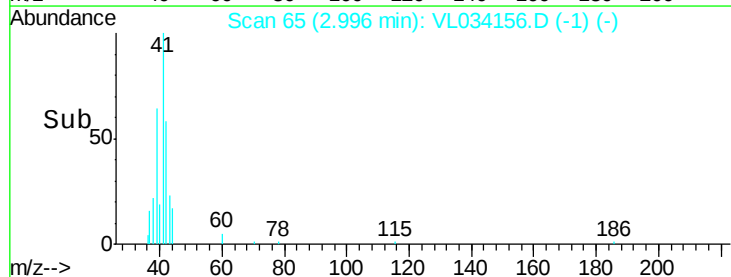
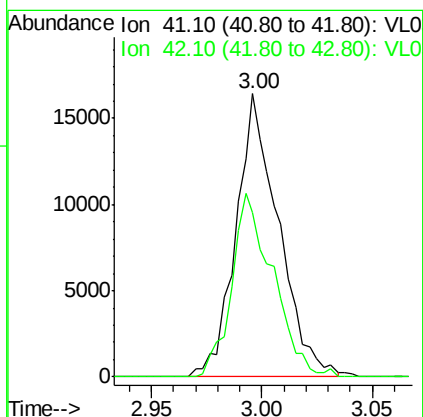
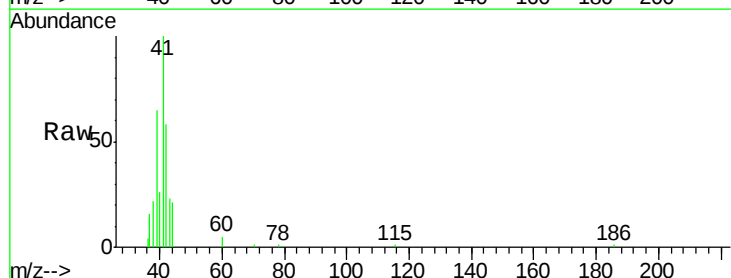
RT: 3.00 min Scan# 65

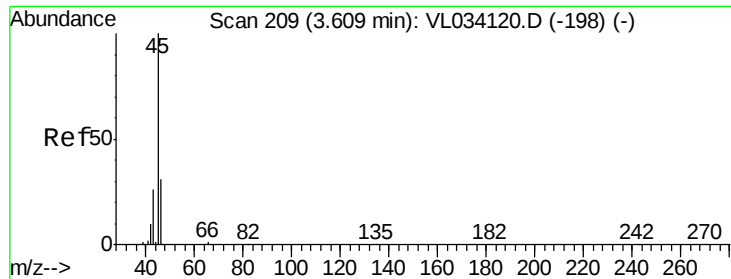
Delta R.T. -0.01 min

Lab File: VL034156.D

Acq: 10 Sep 2019 23:41

Tgt Ion	Ratio	Lower	Upper
41	100		
42	63.0	54.6	81.8





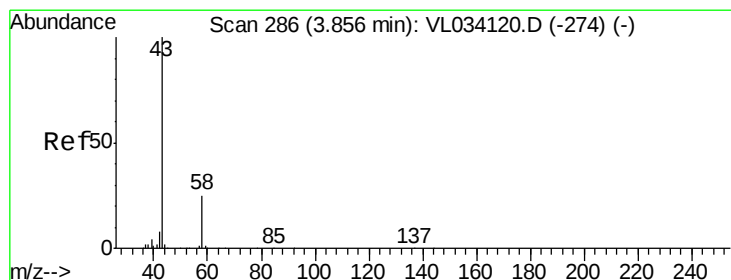
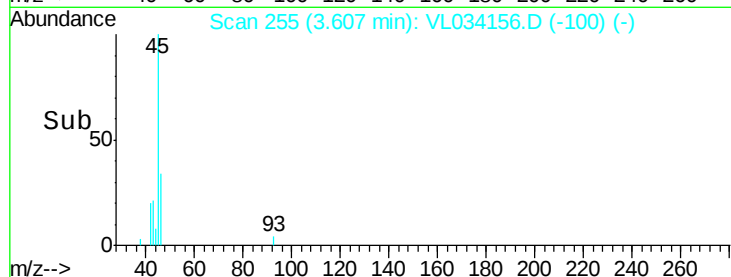
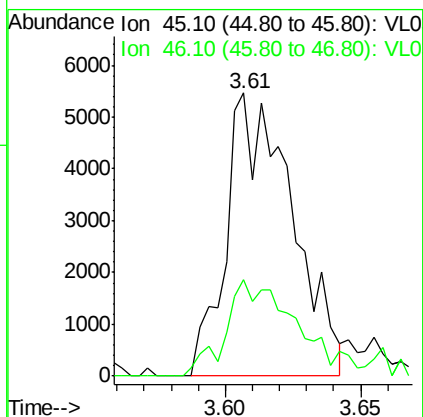
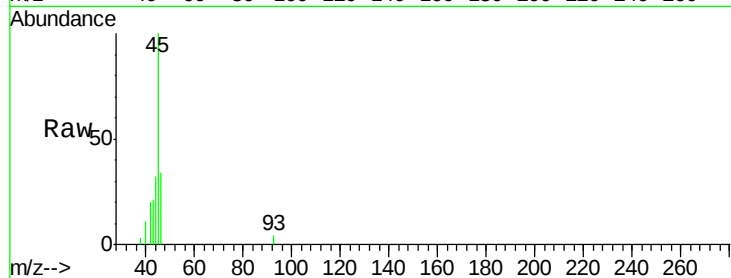
#13
Ethanol
Concen: 1.148 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL034156.D
Acq: 10 Sep 2019 23:41

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tot Ion: 45 Resp: 9253
Ion Ratio Lower Upper
45 100
46 39.3 15.0 60.0

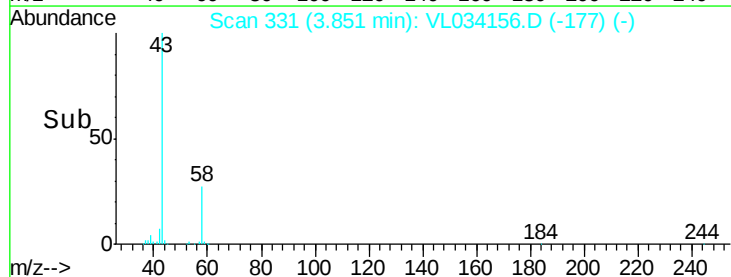
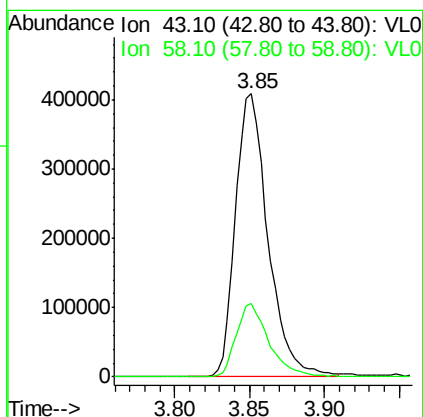
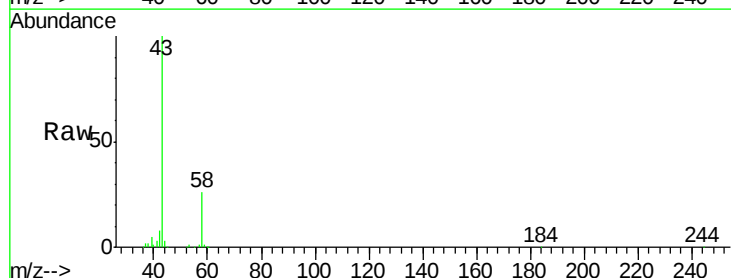
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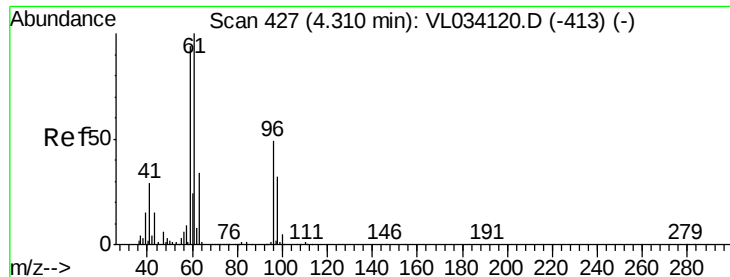
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#15
Acetone
Concen: 7.803 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL034156.D
Acq: 10 Sep 2019 23:41

Tgt Ion: 43 Resp: 620322
Ion Ratio Lower Upper
43 100
58 26.2 20.6 30.8





#17

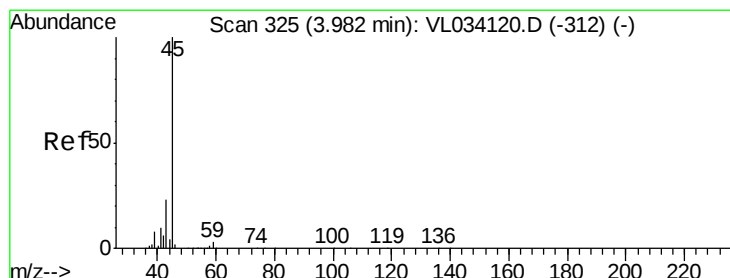
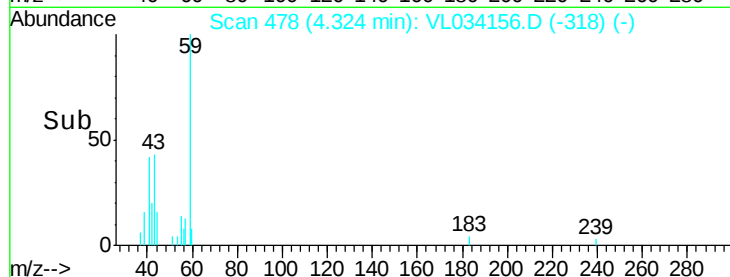
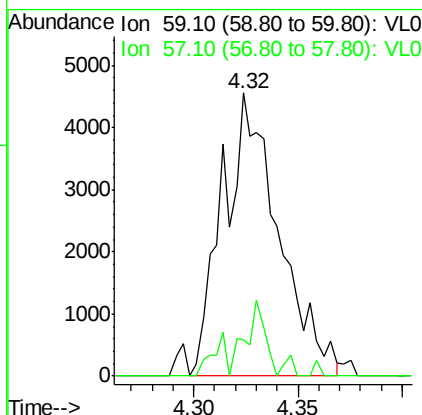
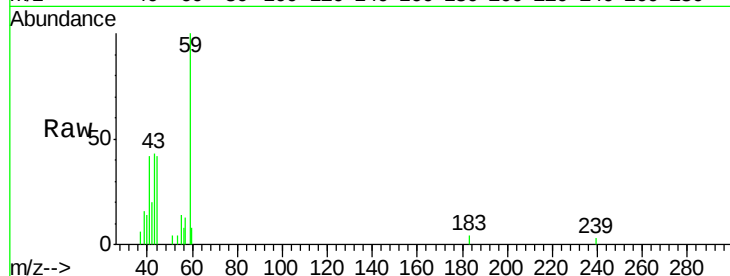
tert-Butyl alcohol
 Concen: 0.147 ppbv m
 RT: 4.32 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL034156.D
 Acq: 10 Sep 2019 23:41

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL2

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

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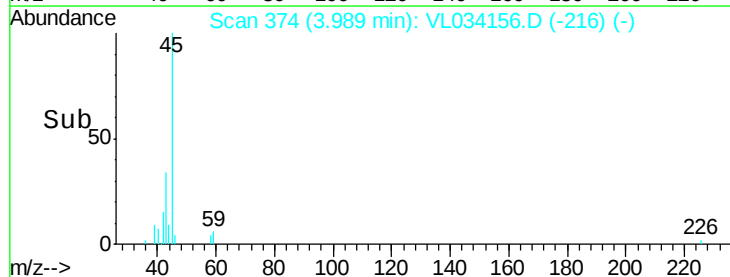
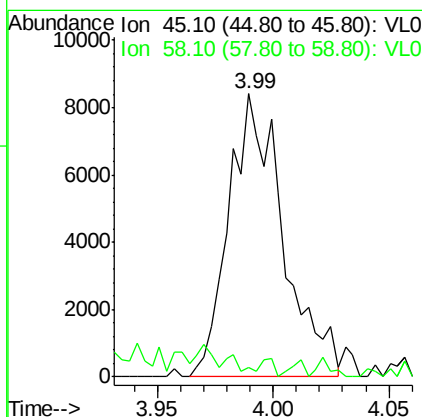
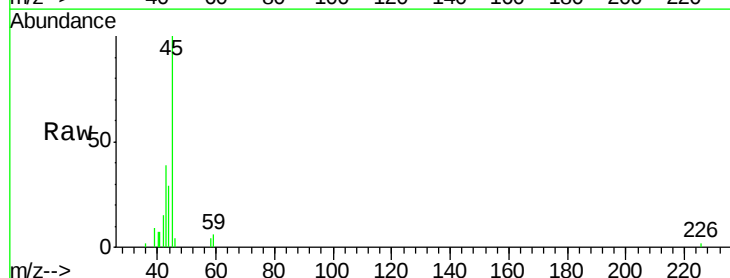
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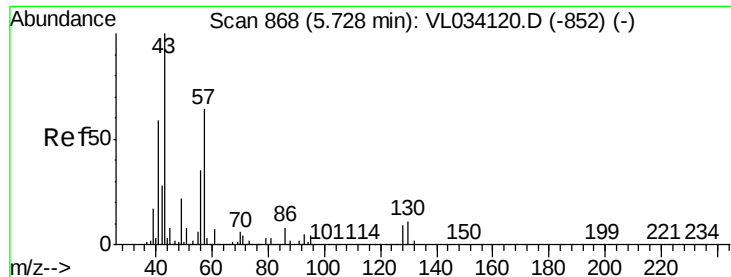


#19

Isopropyl Alcohol
 Concen: 0.256 ppbv m
 RT: 3.99 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VL034156.D
 Acq: 10 Sep 2019 23:41

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.0	1.6#





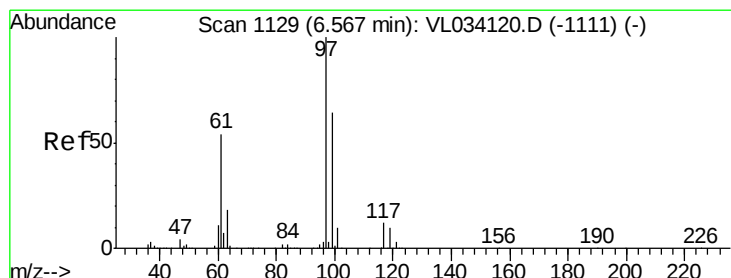
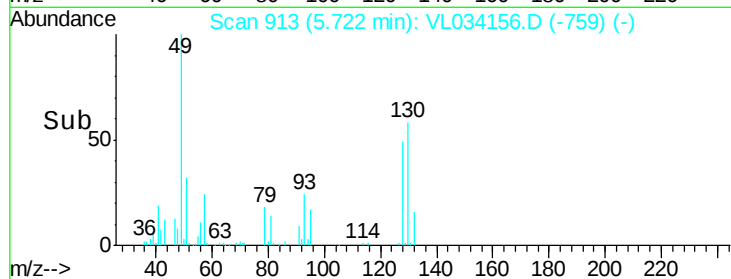
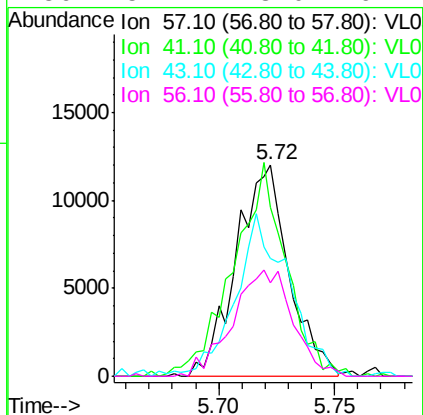
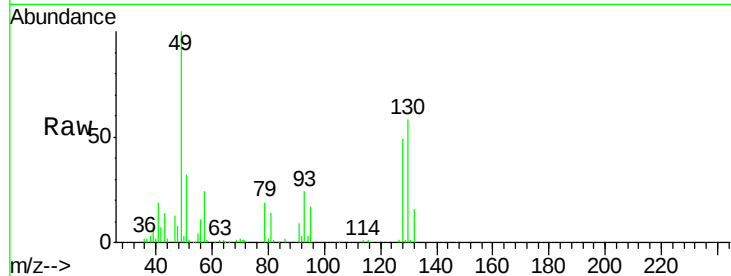
#26
Hexane
Concen: 0.245 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034156.D
Acq: 10 Sep 2019 23:41

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
57	100		19036		
41	101.4	76.6	115.0		
43	79.3	189.2	283.8		
56	57.1	43.0	64.4		

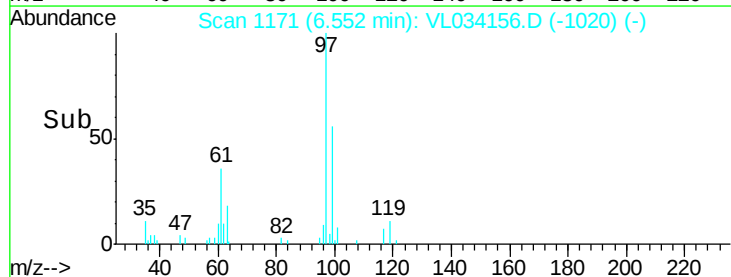
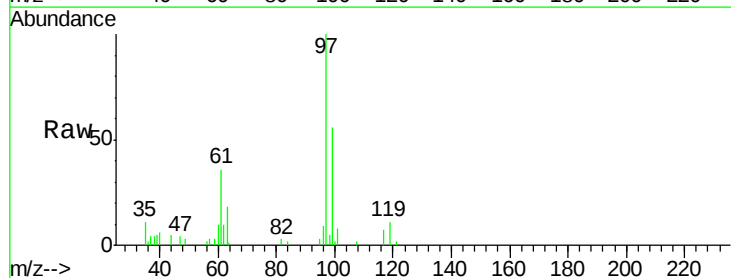
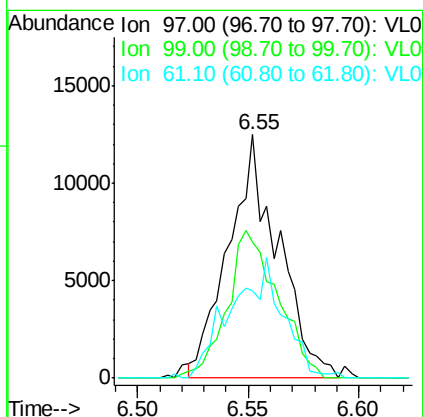
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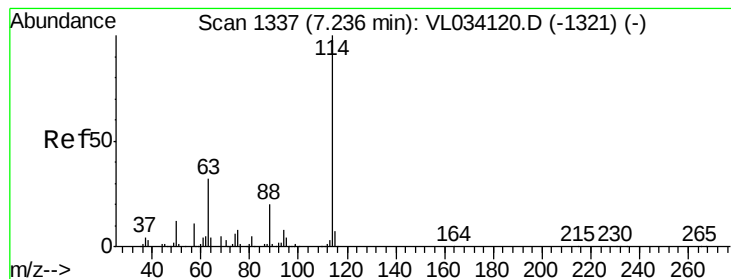
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#32
1,1,1-Trichloroethane
Concen: 0.198 ppbv
RT: 6.55 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VL034156.D
Acq: 10 Sep 2019 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		19530		
99	61.7	51.7	77.5		
61	52.0	44.0	66.0		





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VL034156.D

Acq: 10 Sep 2019 23:41

Instrument :

MSVOA_L

ClientSampleId :

SV3DL2

Tot Ion:114 Resp: 1218822

Ion Ratio Lower Upper

114 100

63 30.4 25.5 38.3

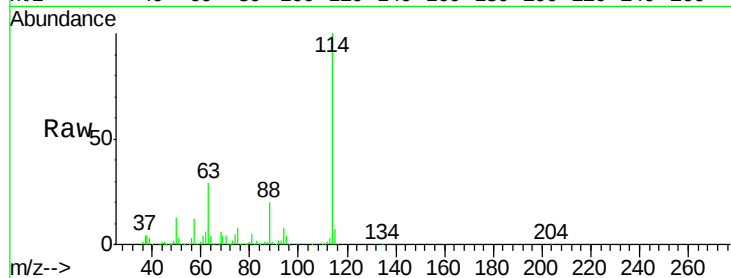
88 20.2 16.8 25.2

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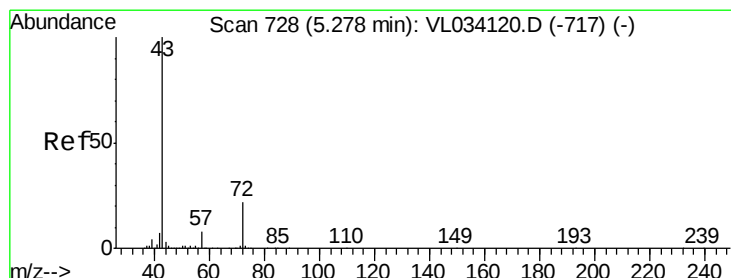
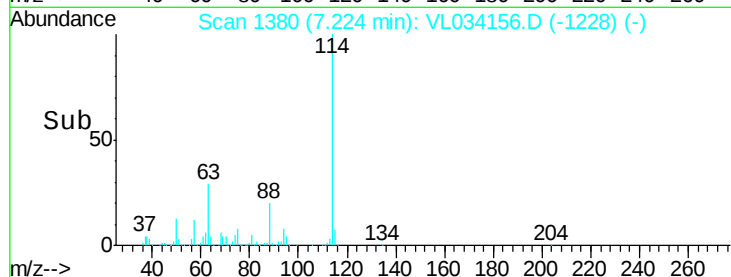
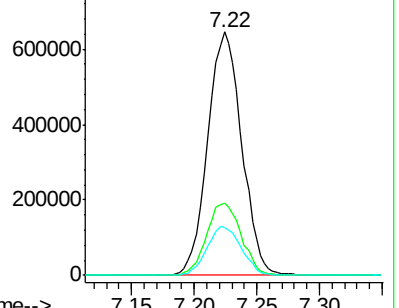
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.484 ppbv

RT: 5.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VL034156.D

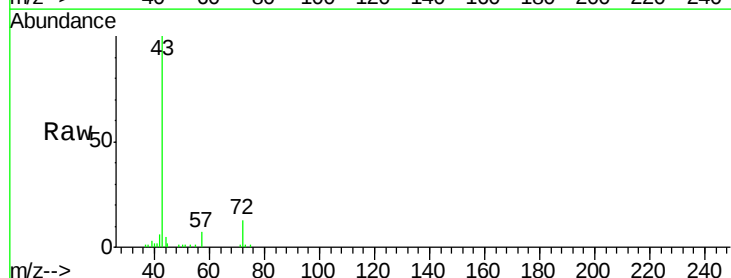
Acq: 10 Sep 2019 23:41

Tgt Ion: 43 Resp: 56715

Ion Ratio Lower Upper

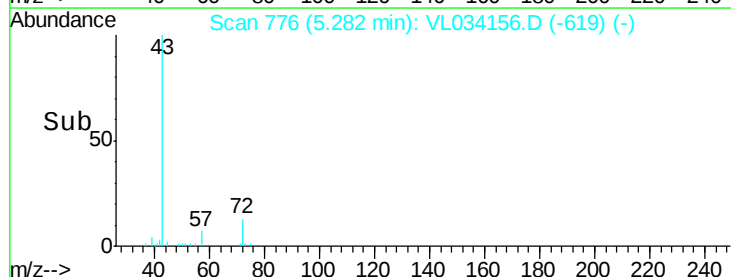
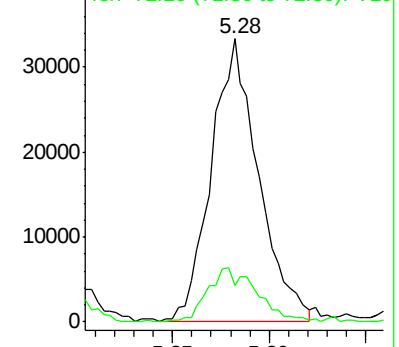
43 100

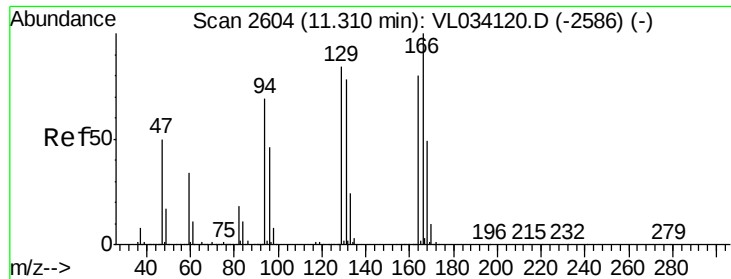
72 20.3 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#52

Tetrachloroethene

Concen: 1.224 ppbv

RT: 11.30 min Scan# 2647

Delta R.T. -0.01 min

Lab File: VL034156.D

Acq: 10 Sep 2019 23:41

Instrument :

MSVOA_L

ClientSampled :

SV3DL2

Tot Ion:164 Resp: 60148

Ion Ratio Lower Upper

164 100

166 115.3 99.5 149.3

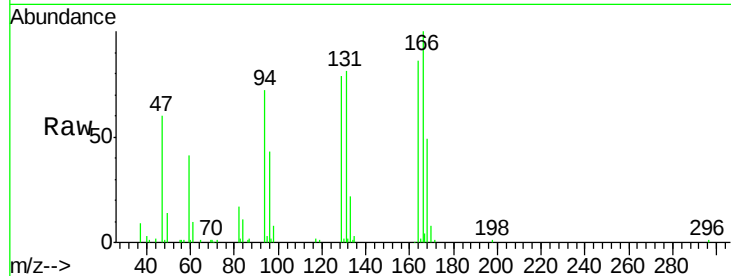
129 92.0 83.6 125.4

131 95.2 77.9 116.9

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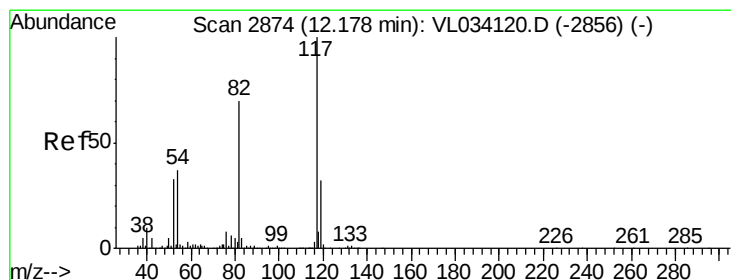
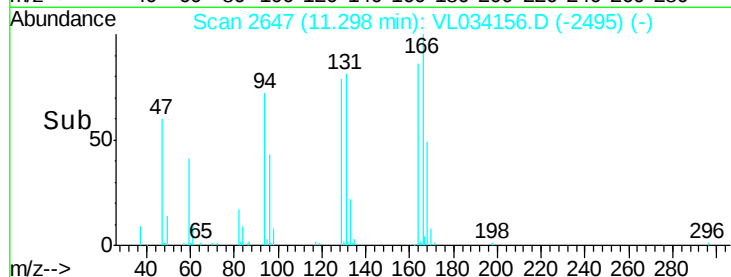
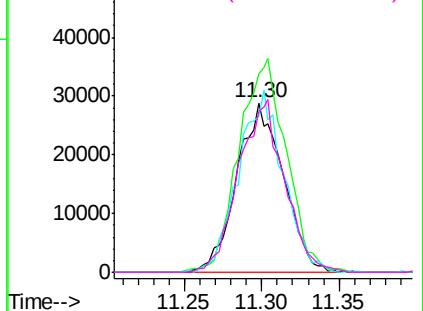


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL034156.D

Acq: 10 Sep 2019 23:41

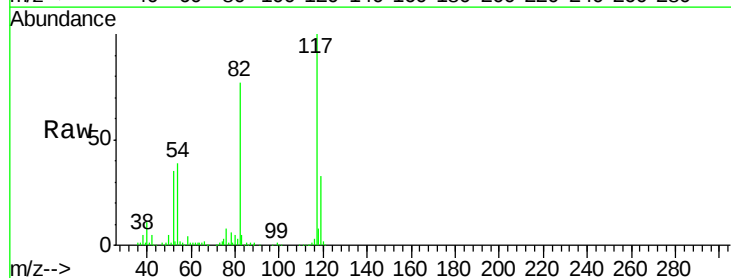
Tgt Ion:117 Resp: 1202934

Ion Ratio Lower Upper

117 100

82 74.9 55.8 83.6

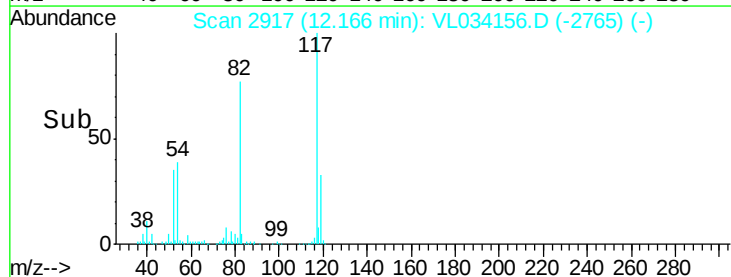
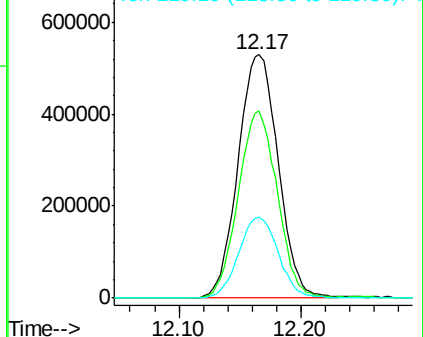
119 33.2 43.1 64.7#

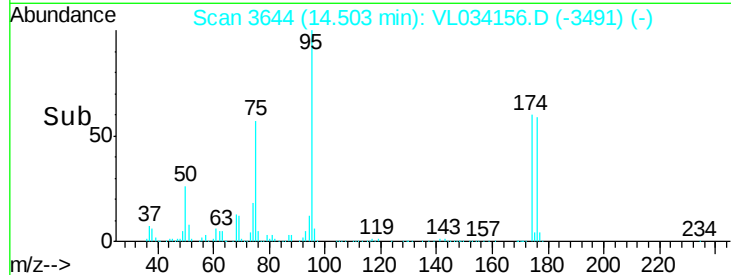
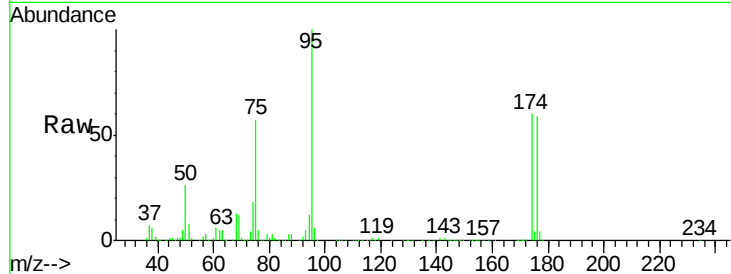
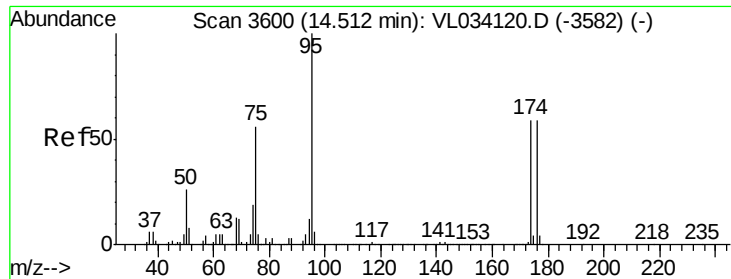


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.492 ppbv
 RT: 14.50 min Scan# 3644
 Delta R.T. -0.01 min
 Lab File: VL034156.D
 Acq: 10 Sep 2019 23:41

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.5	48.1	72.1
175	4.4	3.5	5.3

Manual Integrations
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