

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033228.D
 Acq On : 15 Feb 2019 12:19
 Operator : SY/AP
 Sample : K1483-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 02:39:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	699453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1547639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1819442	10.00	ppbv	0.00

System Monitoring Compounds

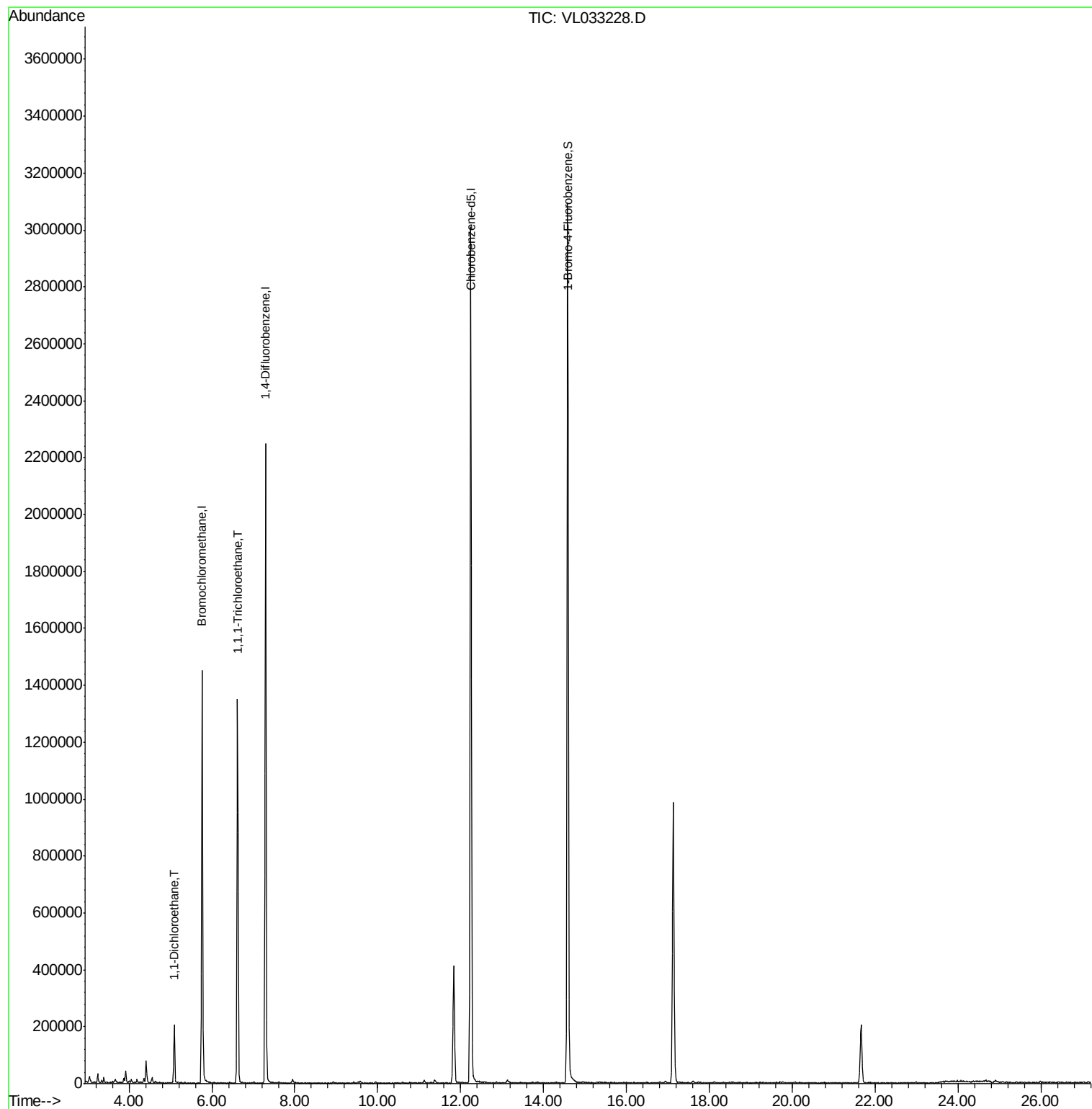
68) 1-Bromo-4-Fluorobenzene	14.58	95	1471291	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

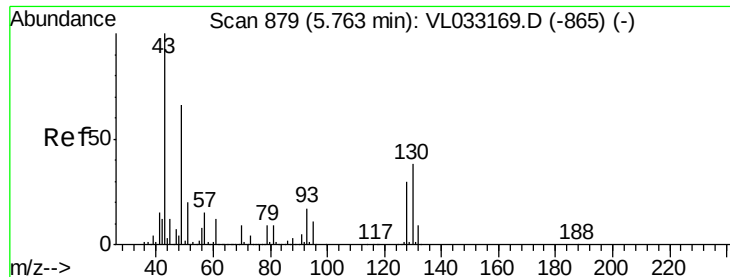
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
24) 1,1-Dichloroethane	5.09	63	159378	1.650	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	811620	5.783	ppbv	97

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033228.D

Acq: 15 Feb 2019 12:19

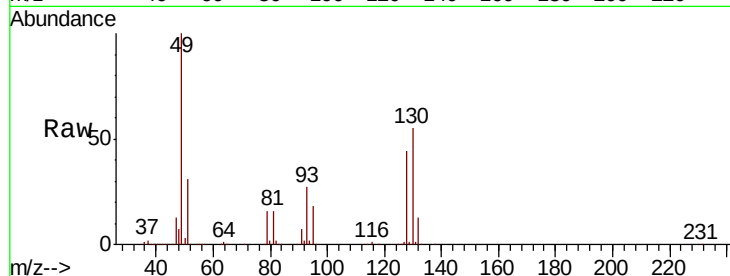
Tot Ion: 49 Resp: 699453

Ion Ratio Lower Upper

49 100

128 44.7 23.6 71.0

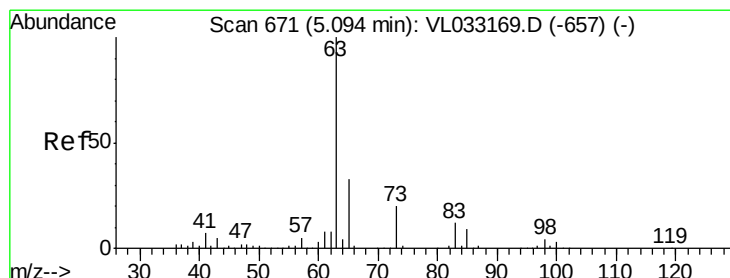
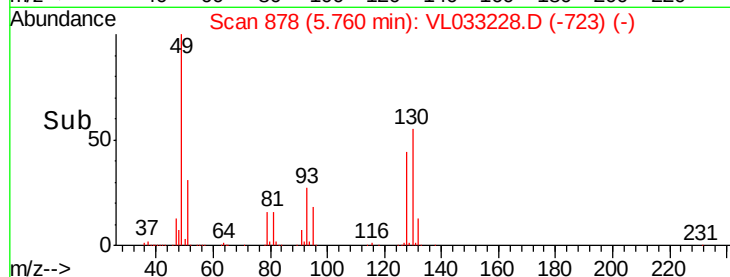
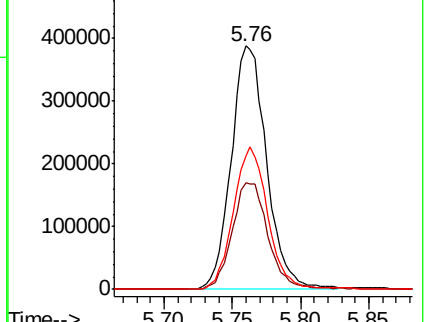
130 57.3 30.3 91.0



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



#24

1,1-Dichloroethane

Concen: 1.650 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033228.D

Acq: 15 Feb 2019 12:19

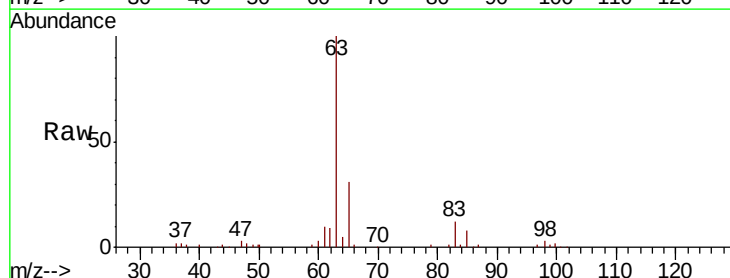
Tgt Ion: 63 Resp: 159378

Ion Ratio Lower Upper

63 100

98 3.3 2.1 6.5

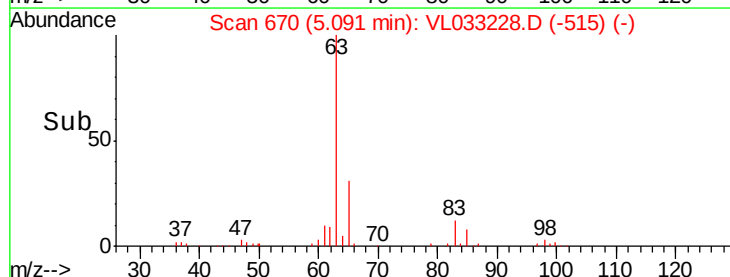
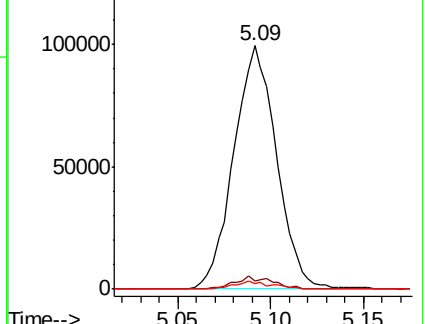
100 2.3 1.4 4.2

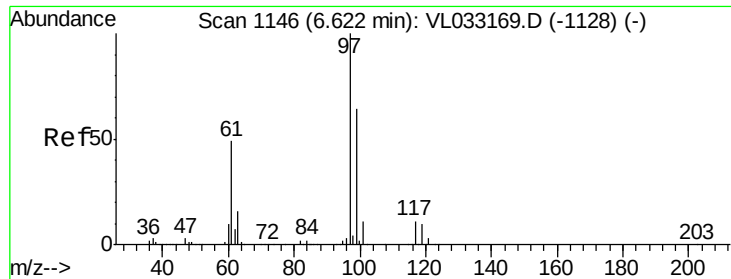


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#32

1,1,1-Trichloroethane

Concen: 5.783 ppbv

RT: 6.62 min Scan# 1145

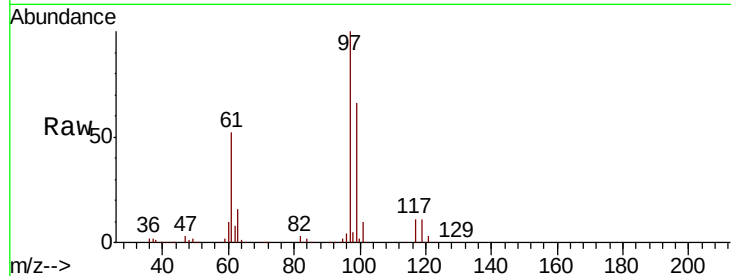
Delta R.T. -0.00 min

Lab File: VL033228.D

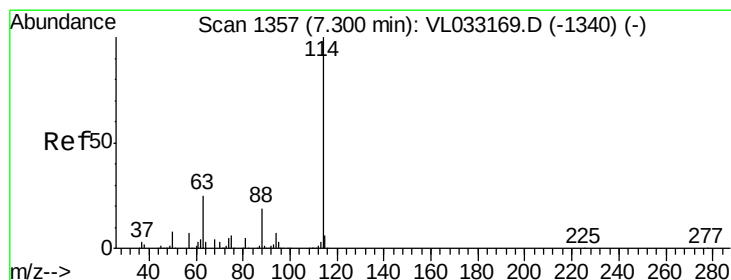
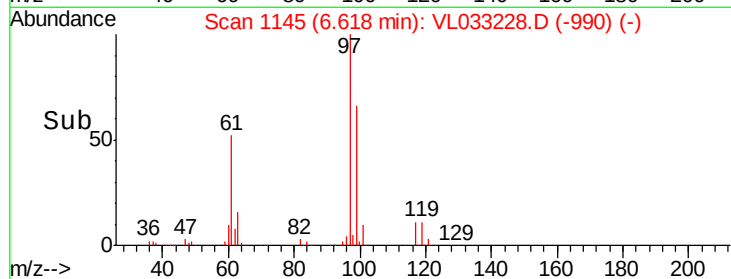
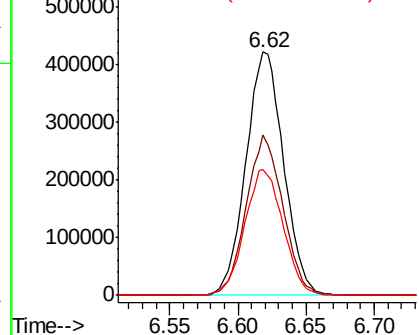
Acq: 15 Feb 2019 12:19

Tot Ion: 97 Resp: 811620

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	52.6	38.8	58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

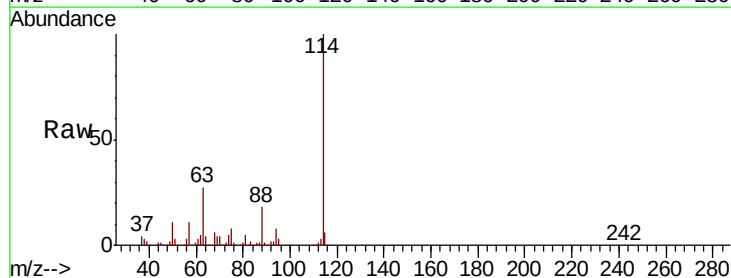
Delta R.T. -0.01 min

Lab File: VL033228.D

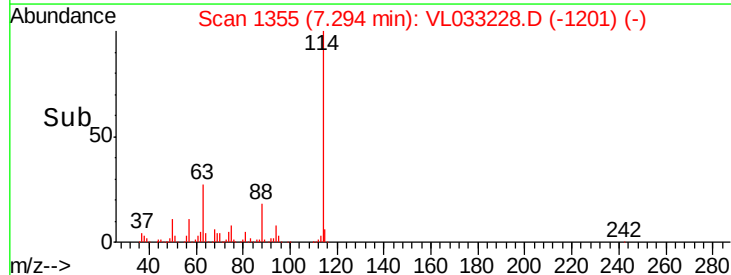
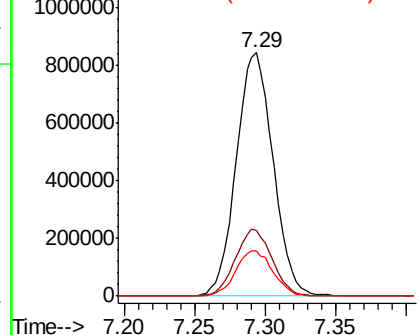
Acq: 15 Feb 2019 12:19

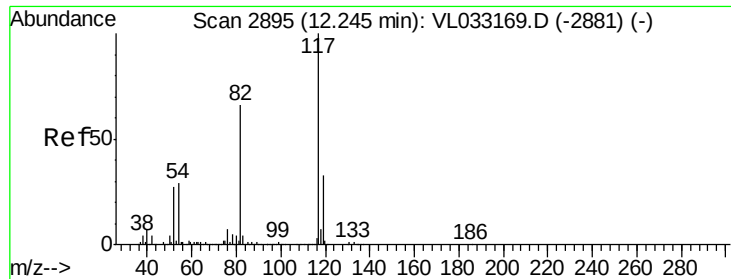
Tgt Ion: 114 Resp: 1547639

Ion	Ratio	Lower	Upper
114	100		
63	27.4	20.8	31.2
88	18.7	14.6	22.0



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

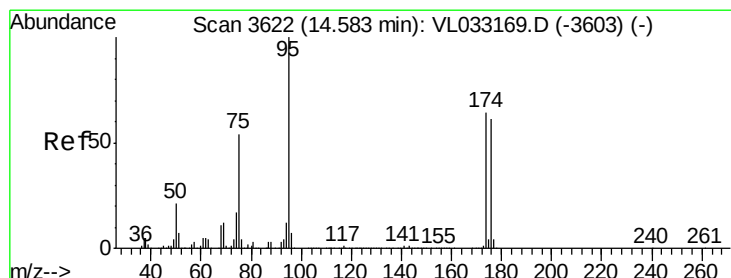
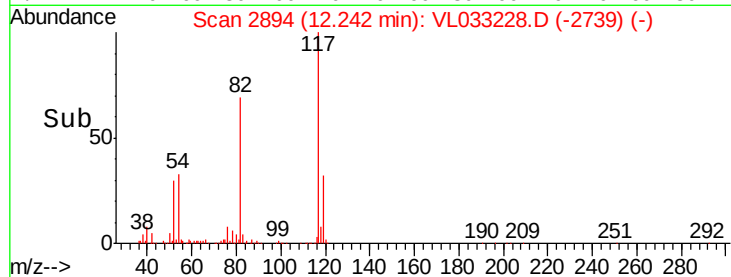
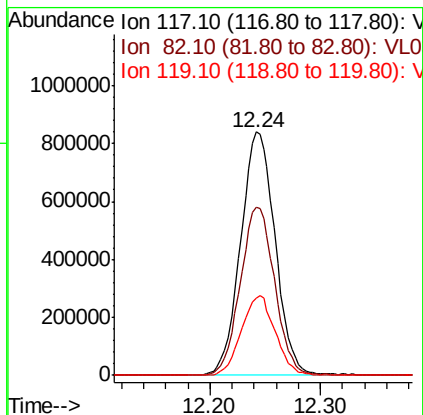
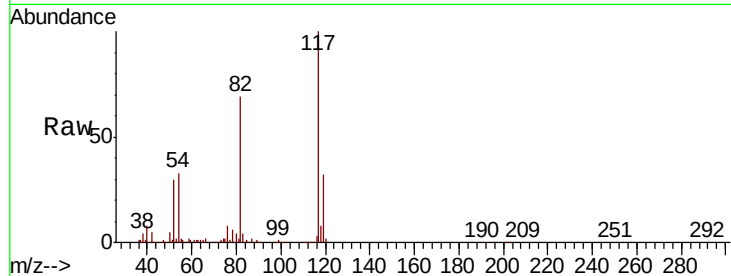




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tot Ion:117 Resp: 1819442

Ion	Ratio	Lower	Upper
117	100		
82	69.2	53.8	80.8
119	32.4	46.9	70.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.377 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 95 Resp: 1471291

Ion	Ratio	Lower	Upper
95	100		
174	63.1	51.1	76.7
175	4.5	3.8	5.6

