

Data File : VL034165.D
Acq On : 12 Sep 2019 20:22
Operator : SY/AP
Sample : K4775-02DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Quant Time: Sep 13 01:49:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
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	1258036	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	2087743	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.17	117	2053792	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1811403	10.79	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.90%

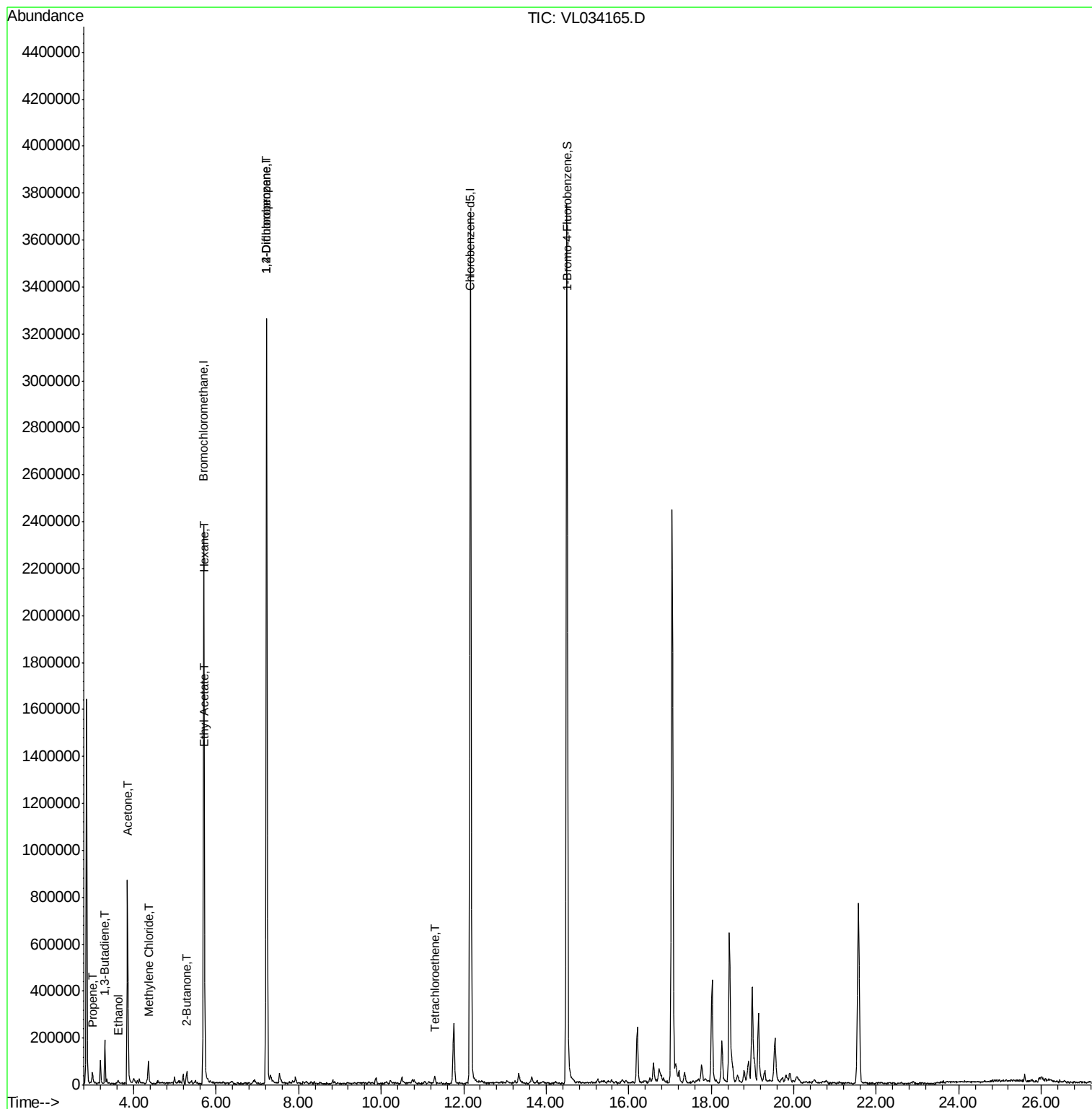
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.00	41	13492	0.172	ppbv #	81
13) Ethanol	3.61	45	12888	0.838	ppbv	95
15) Acetone	3.85	43	867476	5.721	ppbv	99
16) 1,3-Butadiene	3.30	39	46697	0.608	ppbv #	18
20) Methylene Chloride	4.36	84	26259	0.524	ppbv #	91
25) Ethyl Acetate	5.72	43	16870	0.051	ppbv #	80
26) Hexane	5.72	57	16351	0.111	ppbv #	29
34) 2-Butanone	5.28	43	30574	0.152	ppbv #	56
39) 1,2-Dichloropropane	7.22	63	687159	6.729	ppbv #	24
52) Tetrachloroethene	11.29	164	3215	0.038	ppbv #	74

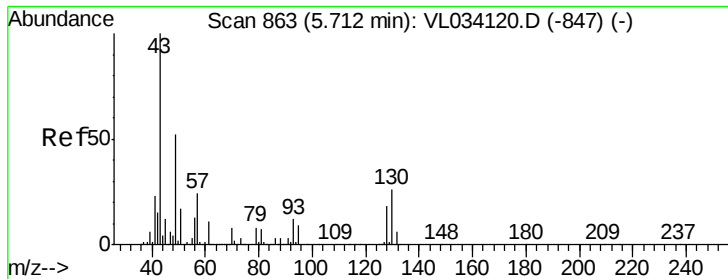
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034165.D

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MSVOA_L

ClientSampleId :

SV5DL2

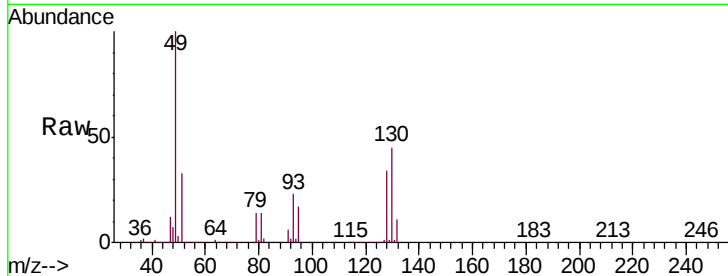
Tgt Ion: 49 Resp: 1258036

Ion Ratio Lower Upper

49 100

128 34.8 18.4 55.0

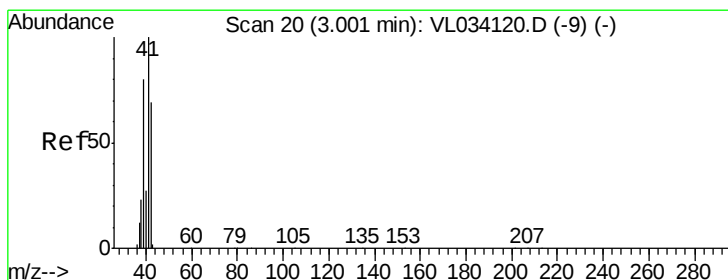
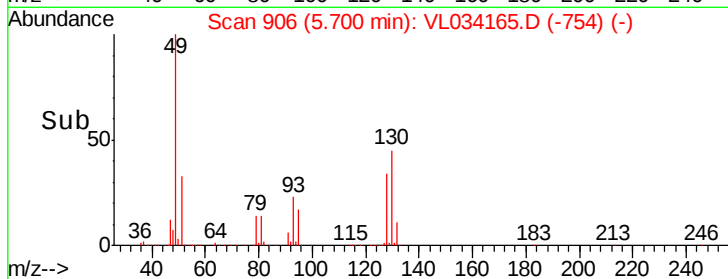
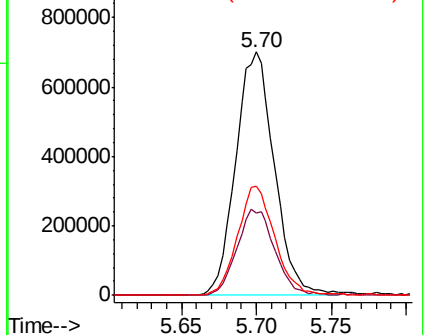
130 43.9 23.5 70.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.172 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034165.D

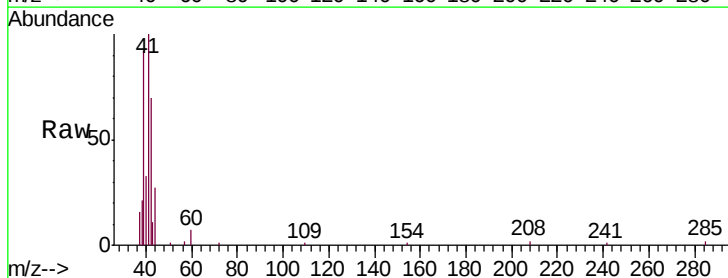
Acq: 12 Sep 2019 20:22

Tgt Ion: 41 Resp: 13492

Ion Ratio Lower Upper

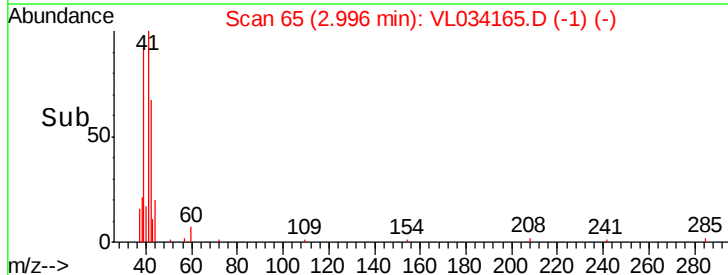
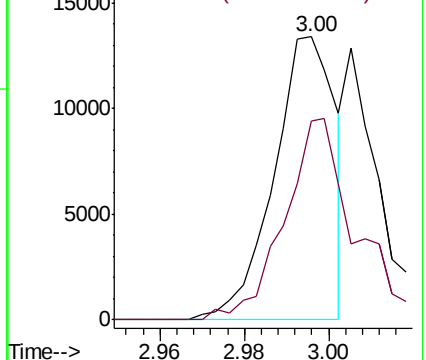
41 100

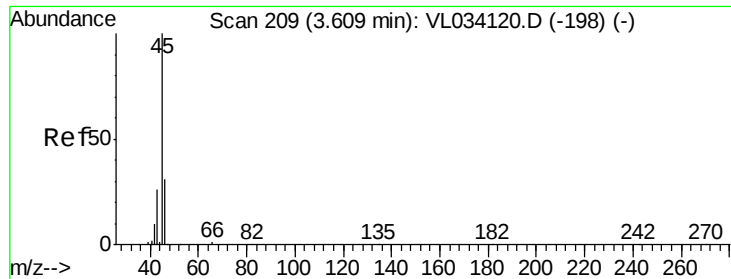
42 83.2 54.6 81.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.838 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL034165.D

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Instrument :

MSVOA_L

ClientSampleId :

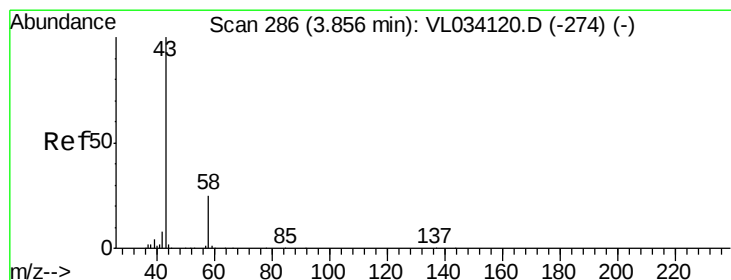
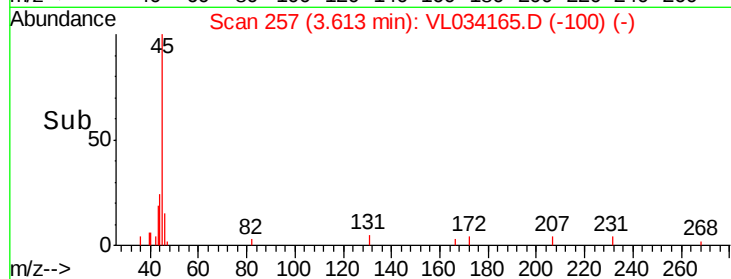
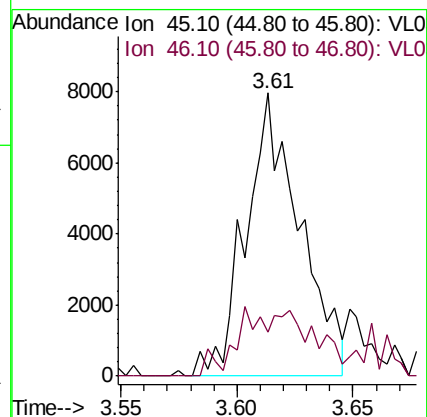
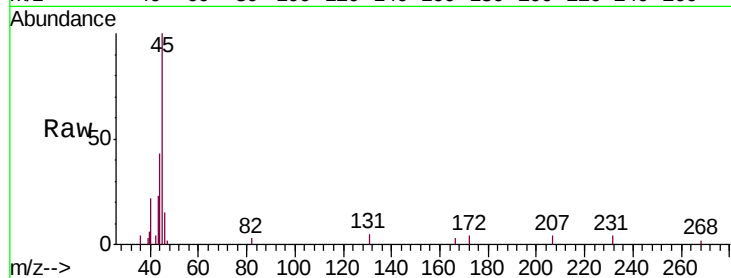
SV5DL2

Tgt Ion: 45 Resp: 12888

Ion Ratio Lower Upper

45 100

46 40.4 15.0 60.0



#15

Acetone

Concen: 5.721 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL034165.D

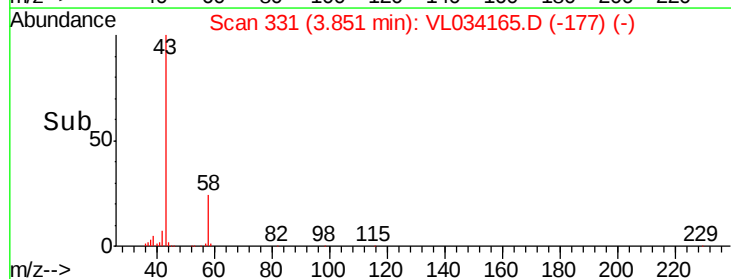
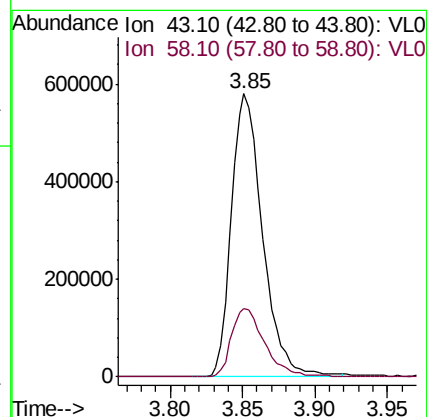
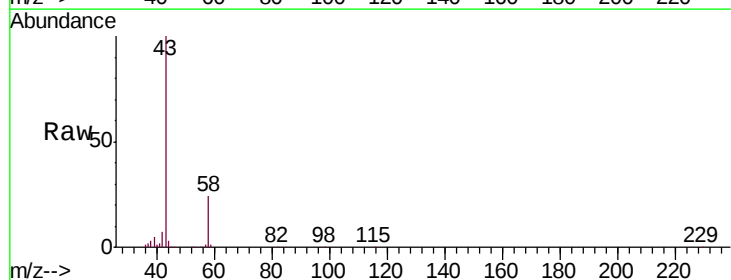
Acq: 12 Sep 2019 20:22

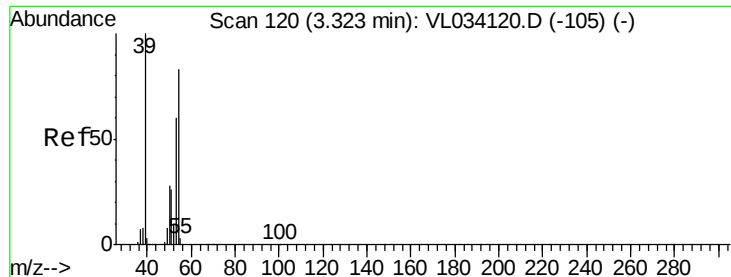
Tgt Ion: 43 Resp: 867476

Ion Ratio Lower Upper

43 100

58 26.0 20.6 30.8

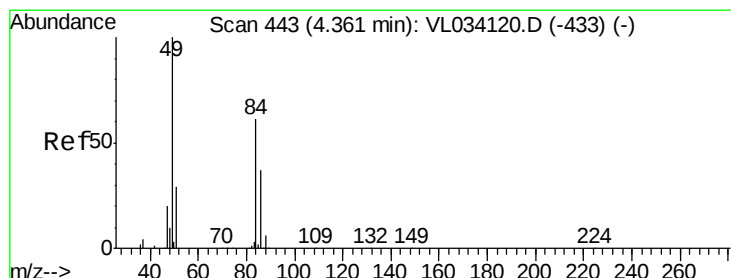
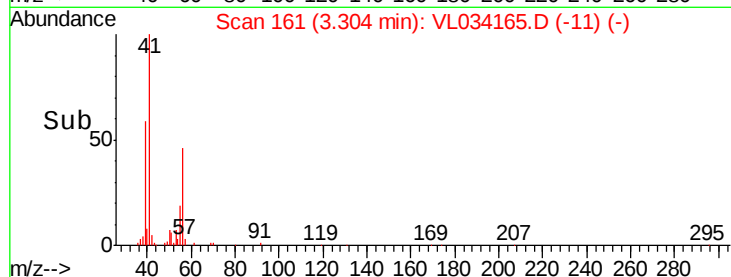
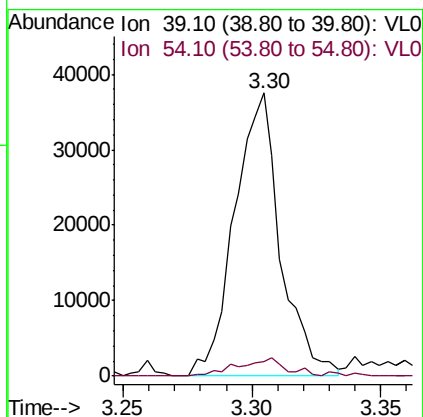
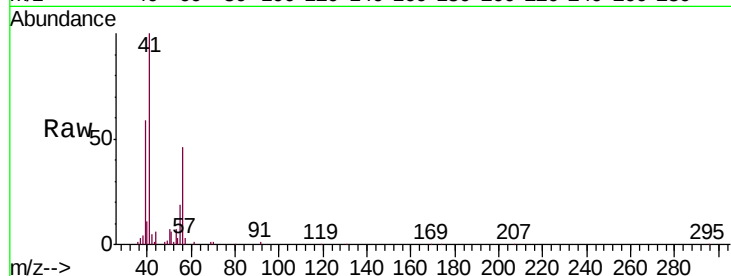




#16
 1,3-Butadiene
 Concen: 0.608 ppbv
 RT: 3.30 min Scan# 161
 Delta R.T. -0.02 min
 Lab File: VL034165.D
 Acq: 12 Sep 2019 20:22

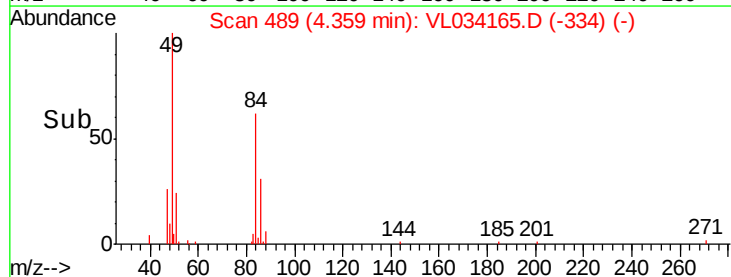
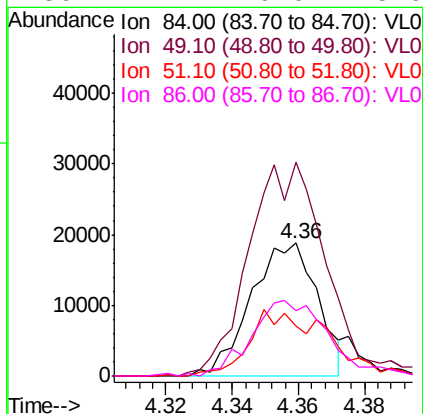
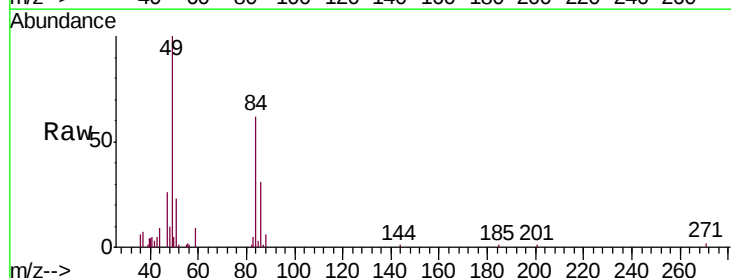
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL2

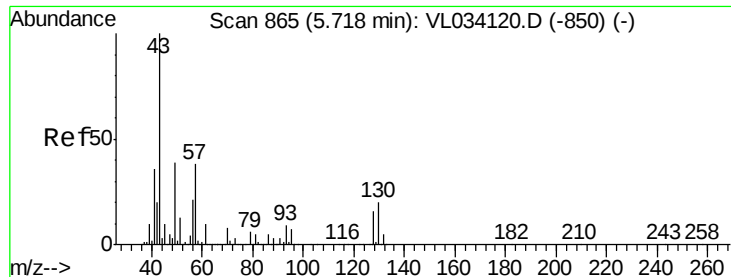
Tgt Ion: 39 Resp: 46697
 Ion Ratio Lower Upper
 39 100
 54 7.1 63.5 95.3#



#20
 Methylene Chloride
 Concen: 0.524 ppbv
 RT: 4.36 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VL034165.D
 Acq: 12 Sep 2019 20:22

Tgt Ion: 84 Resp: 26259
 Ion Ratio Lower Upper
 84 100
 49 158.2 131.0 196.6
 51 37.6 38.1 57.1#
 86 47.7 49.0 73.6#

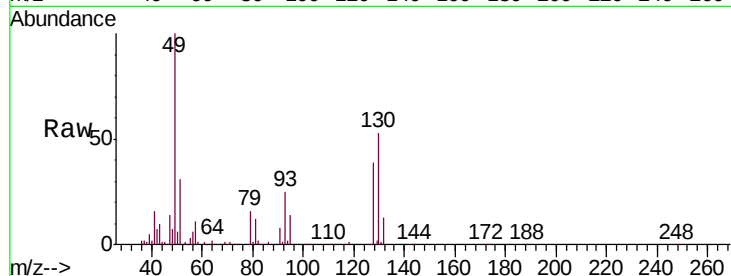




#25
Ethyl Acetate
Concen: 0.051 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL034165.D
Acq: 12 Sep 2019 20:22

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion:	43	Resp:	16870
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.2	12.4#
61	1.9	7.4	11.2#
70	1.2	5.6	8.4#



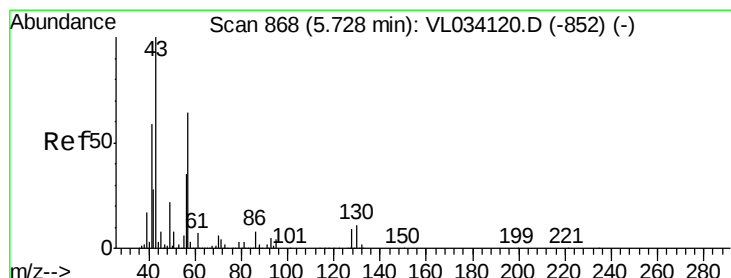
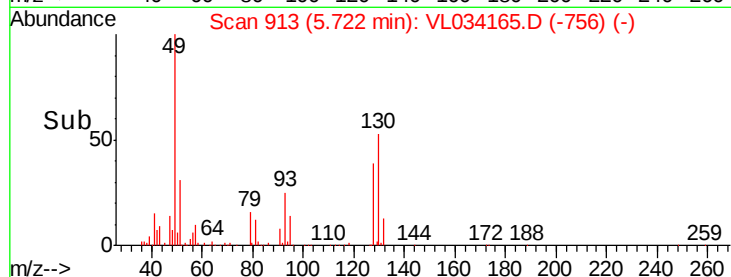
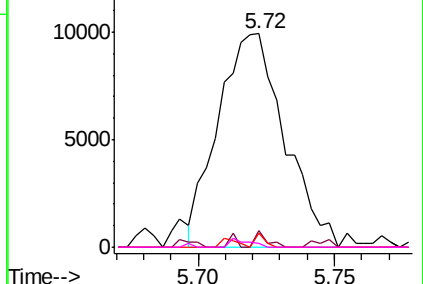
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

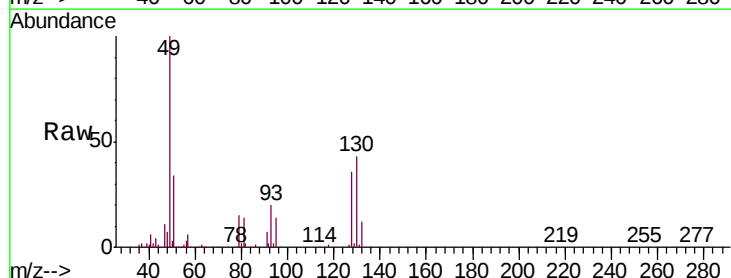
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.111 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.01 min
Lab File: VL034165.D
Acq: 12 Sep 2019 20:22

Tgt Ion:	57	Resp:	16351
Ion	Ratio	Lower	Upper
57	100		
41	174.6	76.6	115.0#
43	114.5	189.2	283.8#
56	87.0	43.0	64.4#



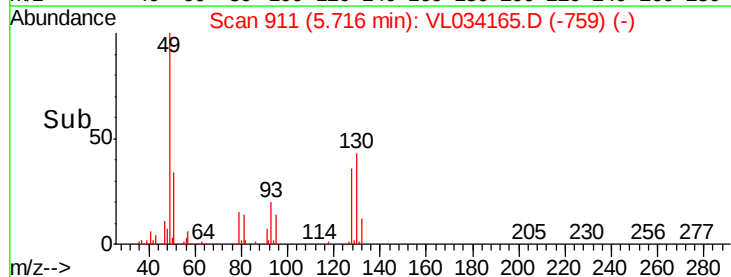
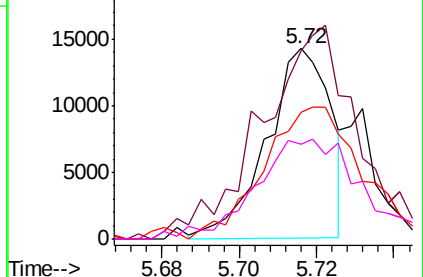
Abundance

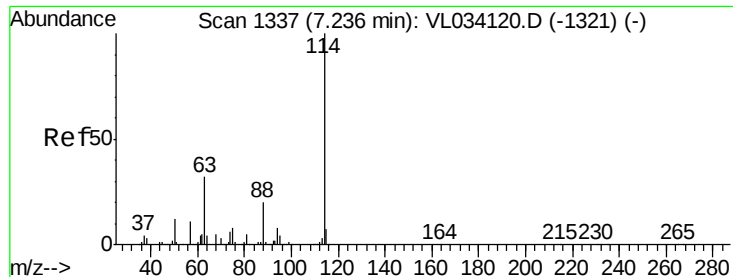
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

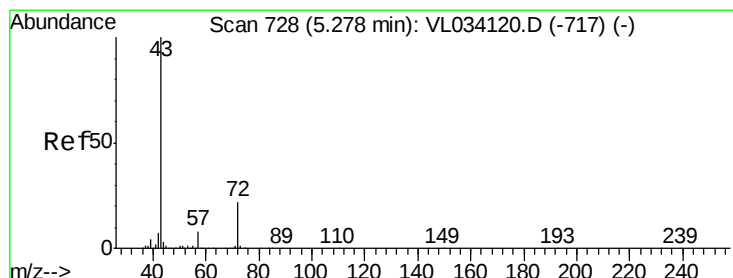
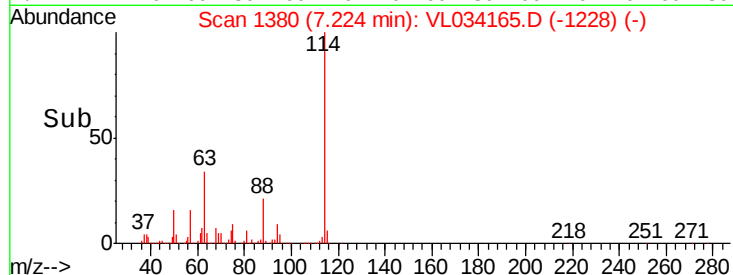
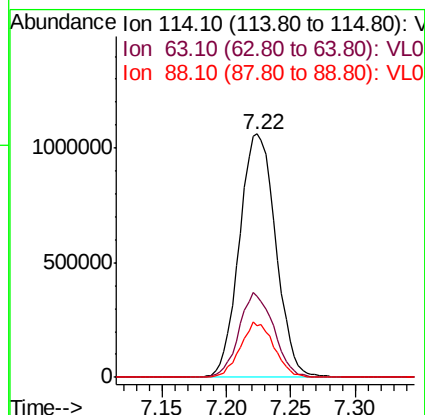
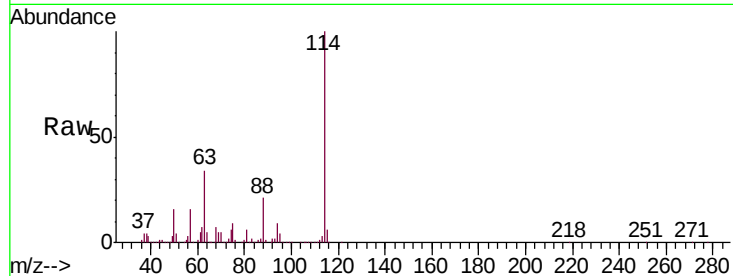




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034165.D
 Acq: 12 Sep 2019 20:22

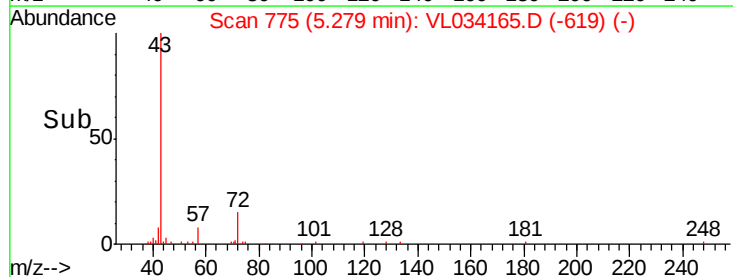
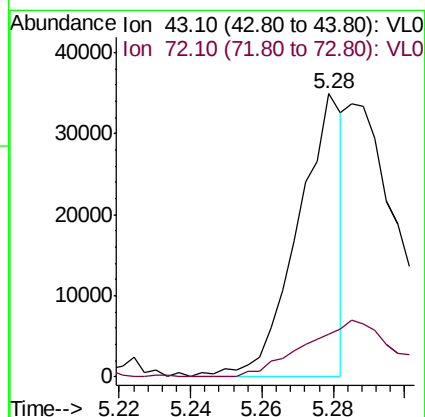
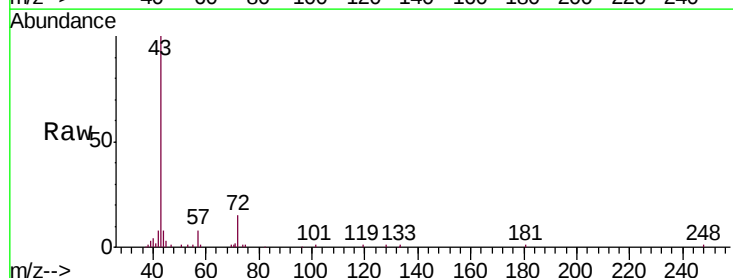
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL2

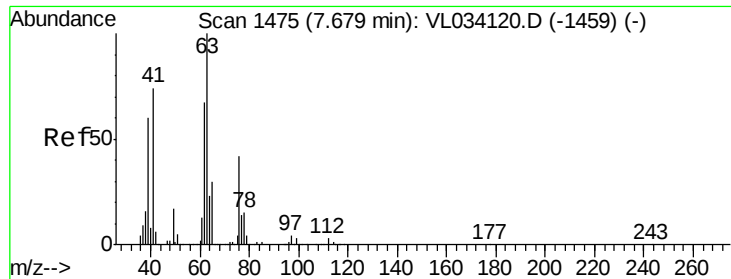
Tgt Ion:114 Resp: 2087743
 Ion Ratio Lower Upper
 114 100
 63 33.1 25.5 38.3
 88 21.0 16.8 25.2



#34
 2-Butanone
 Concen: 0.152 ppbv
 RT: 5.28 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VL034165.D
 Acq: 12 Sep 2019 20:22

Tgt Ion: 43 Resp: 30574
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.5 24.7#





#39

1,2-Dichloropropane

Concen: 6.729 ppbv

RT: 7.22 min Scan# 1379

Delta R.T. -0.46 min

Lab File: VL034165.D

Acq: 12 Sep 2019 20:22

Instrument :

MSVOA_L

ClientSampleId :

SV5DL2

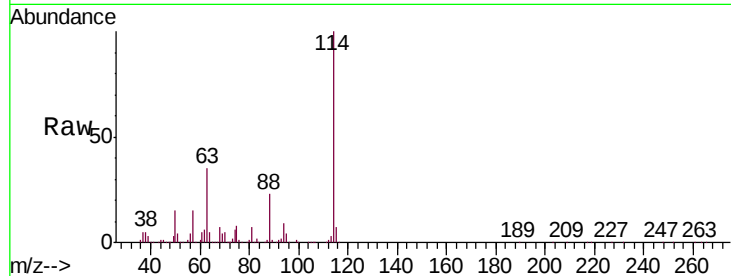
Tgt Ion: 63 Resp: 687159

Ion Ratio Lower Upper

63 100

41 0.0 59.3 88.9#

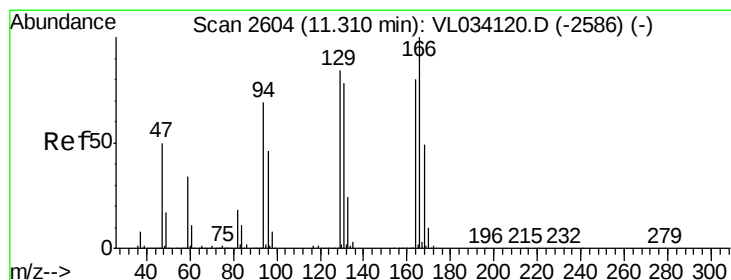
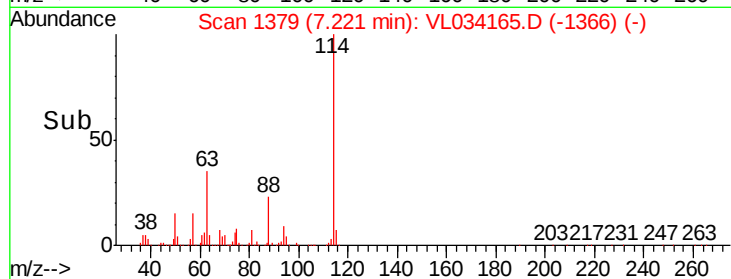
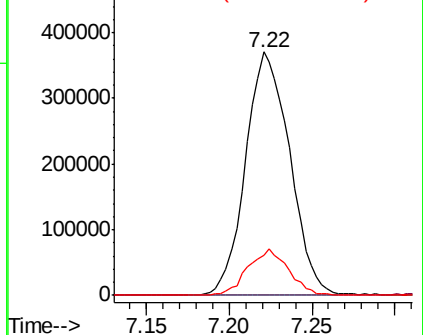
62 16.6 53.8 80.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 0.038 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. -0.02 min

Lab File: VL034165.D

Acq: 12 Sep 2019 20:22

Tgt Ion: 164 Resp: 3215

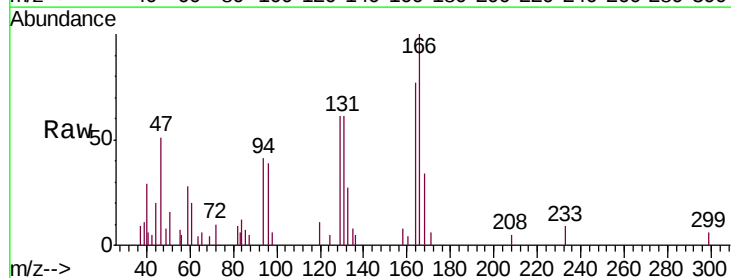
Ion Ratio Lower Upper

164 100

166 103.2 99.5 149.3

129 94.0 83.6 125.4

131 45.7 77.9 116.9#

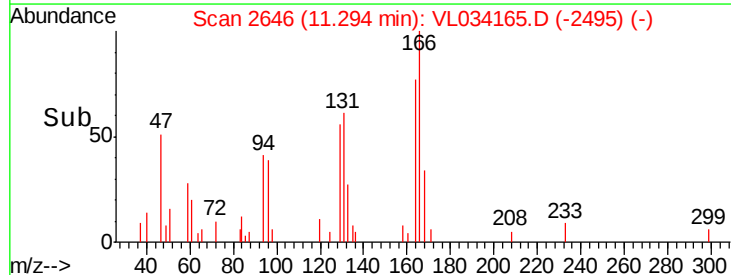
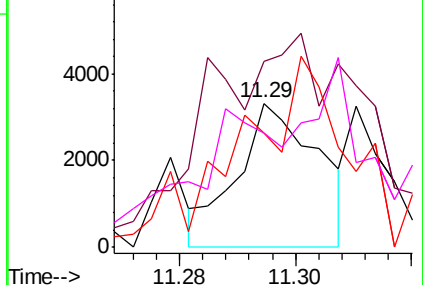


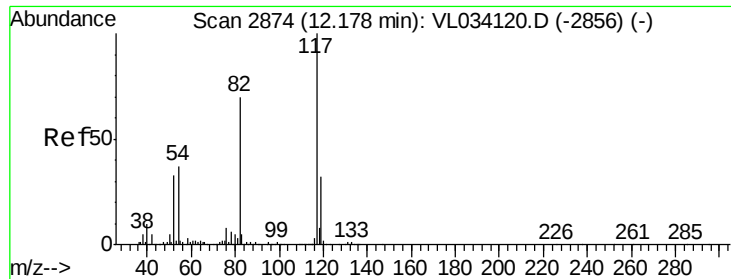
Abundance Ion 163.90 (163.60 to 164.60): V

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

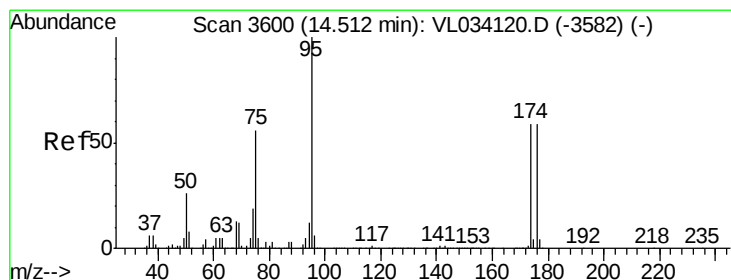
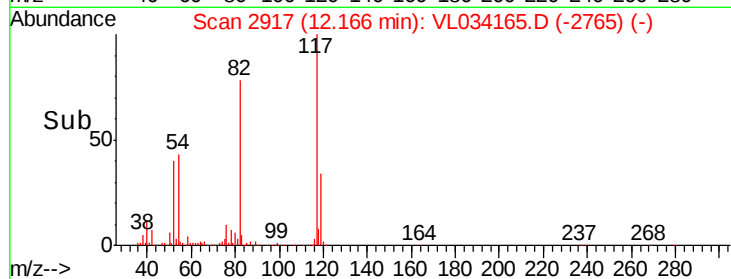
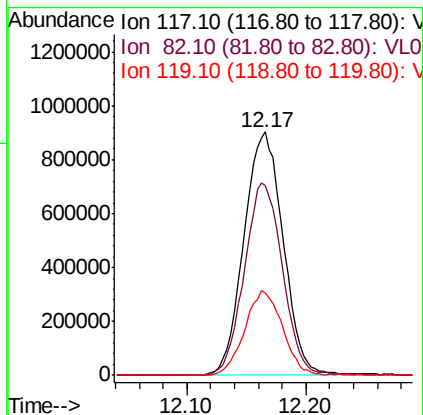
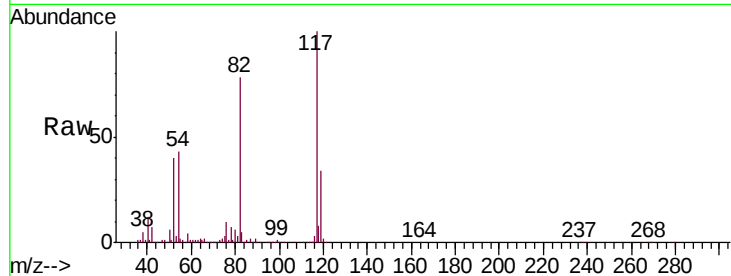




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034165.D
Acq: 12 Sep 2019 20:22

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 117 Resp: 2053792
Ion Ratio Lower Upper
117 100
82 77.5 55.8 83.6
119 33.9 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.789 ppbv
RT: 14.50 min Scan# 3642
Delta R.T. -0.02 min
Lab File: VL034165.D
Acq: 12 Sep 2019 20:22

Tgt Ion: 95 Resp: 1811403
Ion Ratio Lower Upper
95 100
174 57.2 48.1 72.1
175 4.2 3.5 5.3

