

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036654.D
 Acq On : 2 Apr 2021 21:00
 Operator : SY/AP
 Sample : M1841-07DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:58:46 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 09:42:40 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	5.65	49	1284880	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3338753	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2968619	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2322485	9.82	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

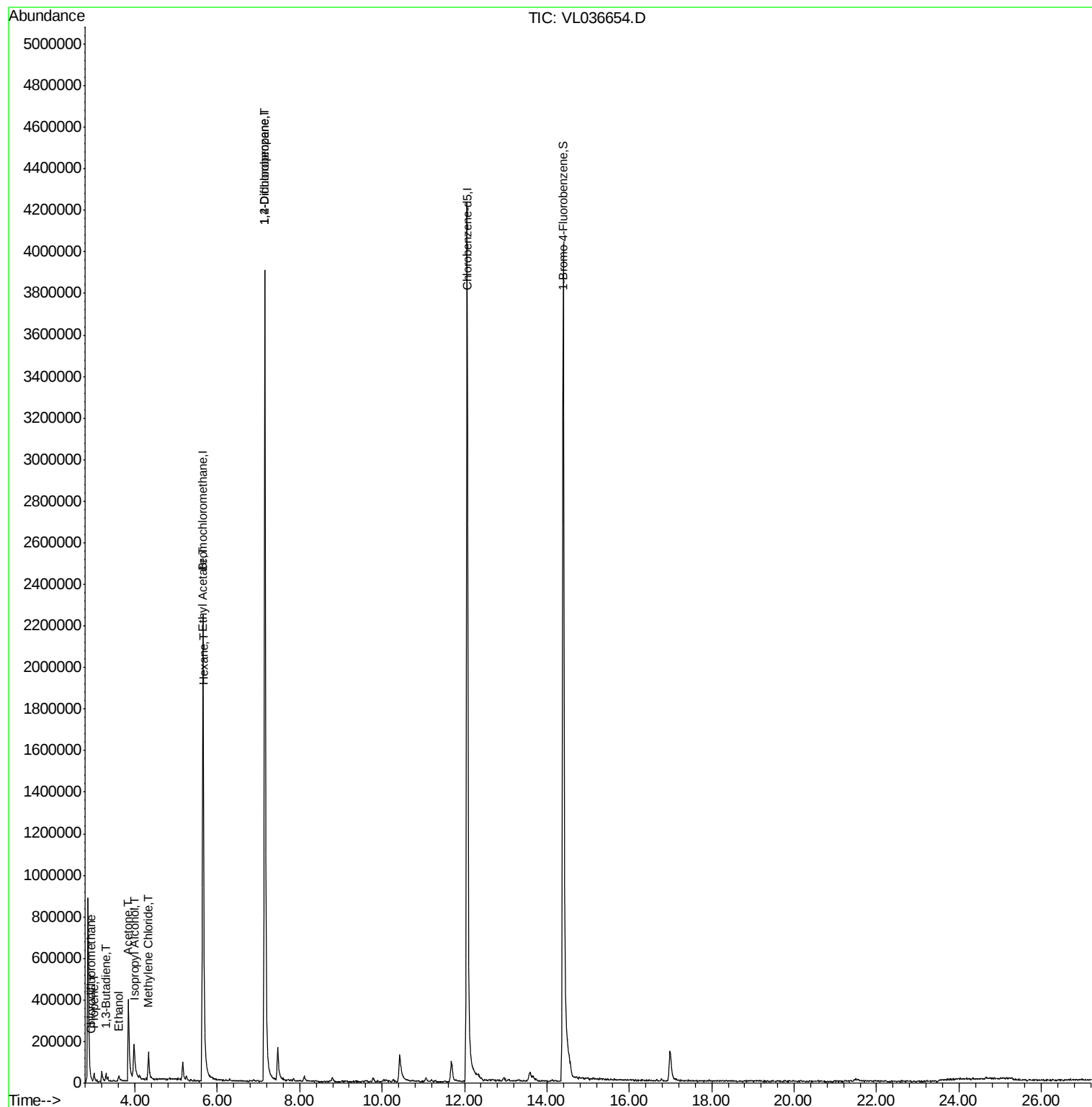
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.95	51	5044	0.021	ppbv #	59
9) Propene	3.01	41	10756	0.141	ppbv	90
13) Ethanol	3.60	45	9019	0.990	ppbv #	34
15) Acetone	3.84	43	525405	4.155	ppbv	93
16) 1,3-Butadiene	3.30	39	11993	0.136	ppbv #	13
19) Isopropyl Alcohol	3.98	45	192763	2.771	ppbv	98
20) Methylene Chloride	4.33	84	42456	0.717	ppbv	93
25) Ethyl Acetate	5.66	43	21380	0.071	ppbv #	81
26) Hexane	5.67	57	40662	0.291	ppbv #	46
39) 1,2-Dichloropropane	7.15	63	871523	6.977	ppbv #	24

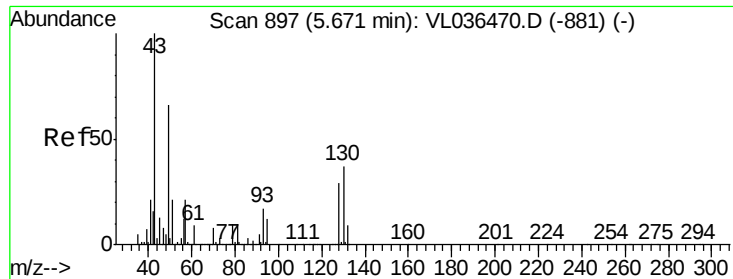
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036654.D

Acq: 2 Apr 2021 21:00

Instrument :

MSVOA_L

ClientSampleId :

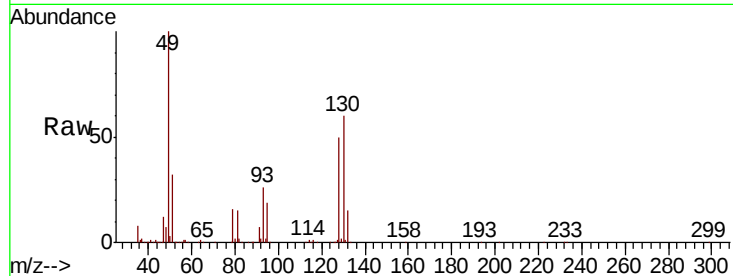
Tot Ion: 49 Resp: 1284880

Ion Ratio Lower Upper

49 100

128 49.9 23.5 70.6

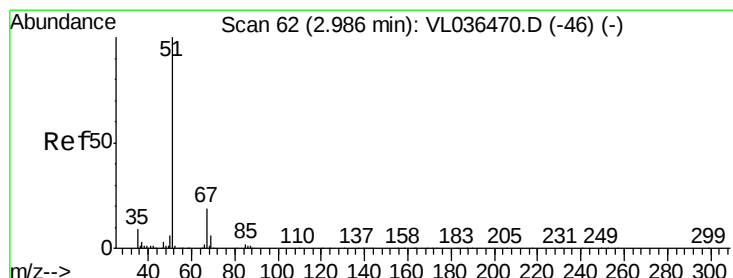
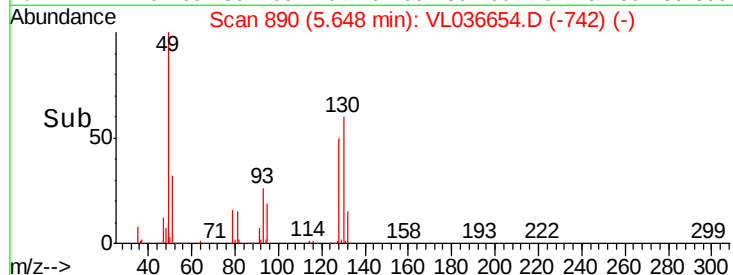
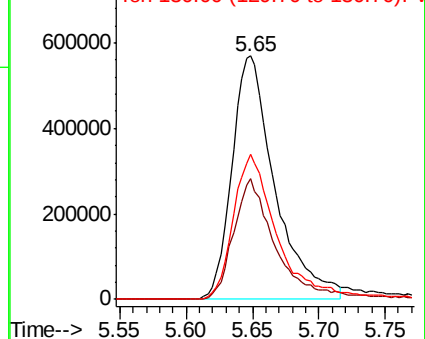
130 62.5 29.1 87.4



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



#3

Chlorodifluoromethane

Concen: 0.021 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.03 min

Lab File: VL036654.D

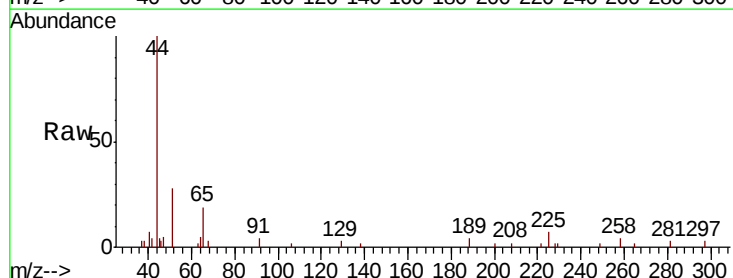
Acq: 2 Apr 2021 21:00

Tgt Ion: 51 Resp: 5044

Ion Ratio Lower Upper

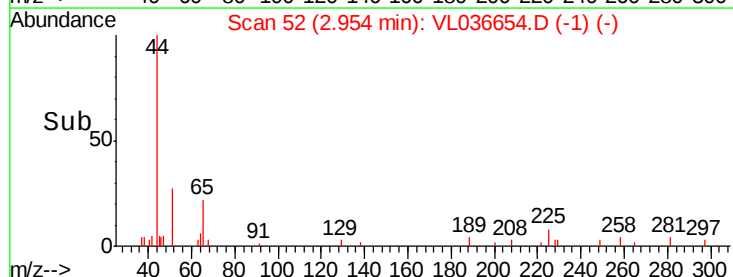
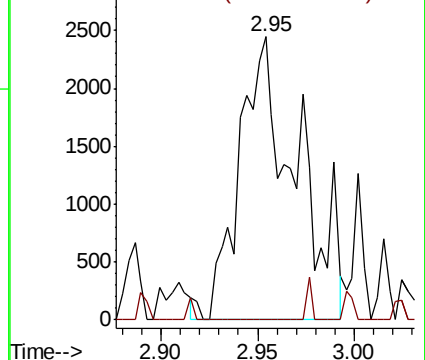
51 100

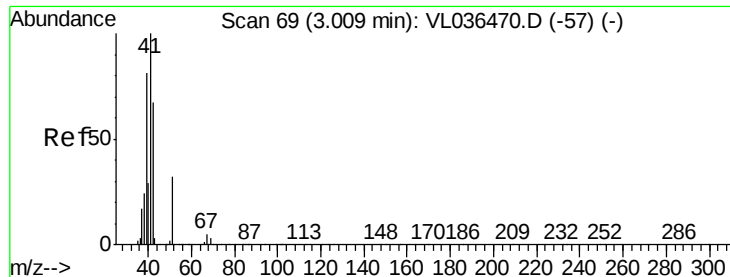
67 0.0 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.141 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036654.D

Acq: 2 Apr 2021 21:00

Instrument :

MSVOA_L

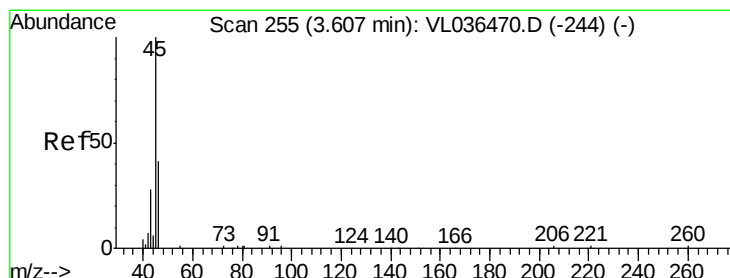
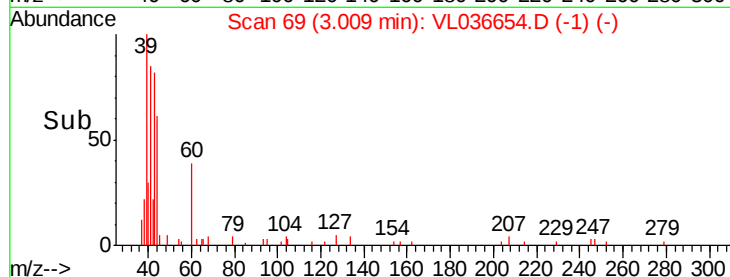
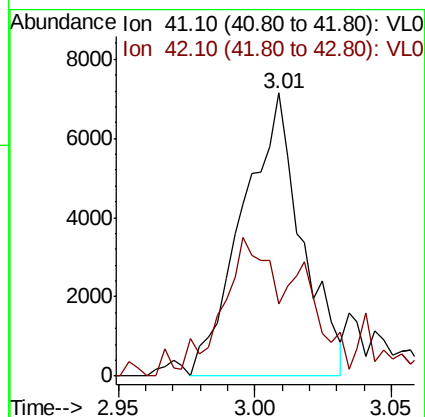
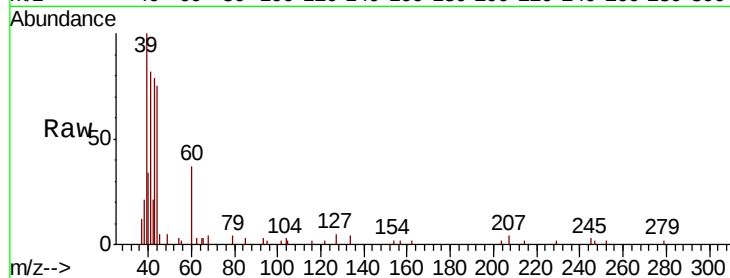
ClientSampled :

Tot Ion: 41 Resp: 10756

Ion Ratio Lower Upper

41 100

42 79.3 57.0 85.4



#13

Ethanol

Concen: 0.990 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036654.D

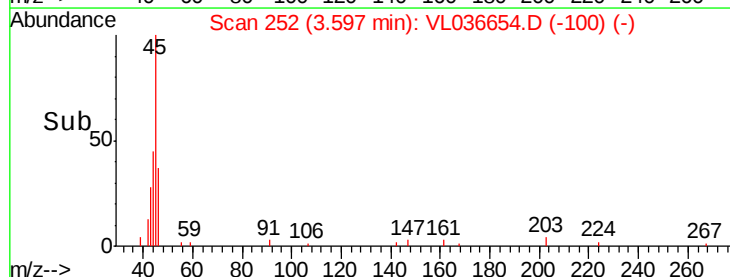
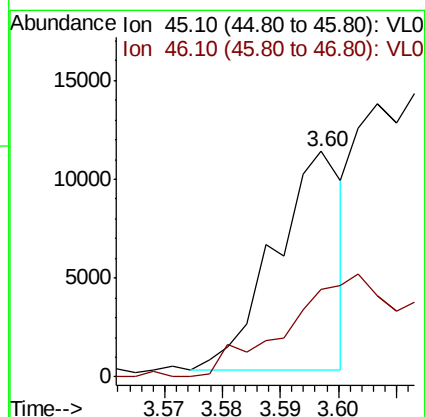
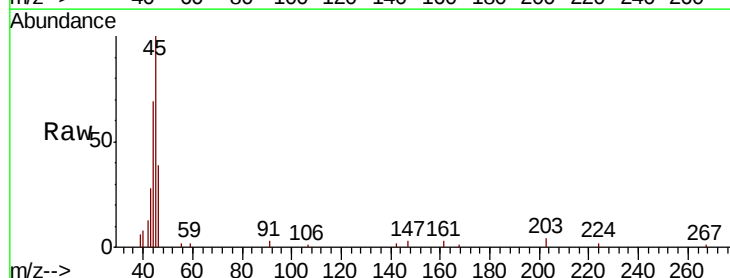
Acq: 2 Apr 2021 21:00

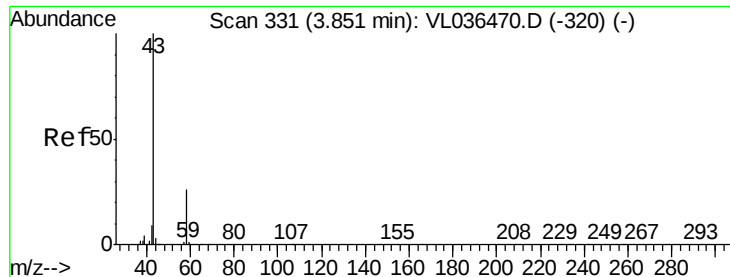
Tgt Ion: 45 Resp: 9019

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#





#15

Acetone

Concen: 4.155 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036654.D

Acq: 2 Apr 2021 21:00

Instrument :

MSVOA_L

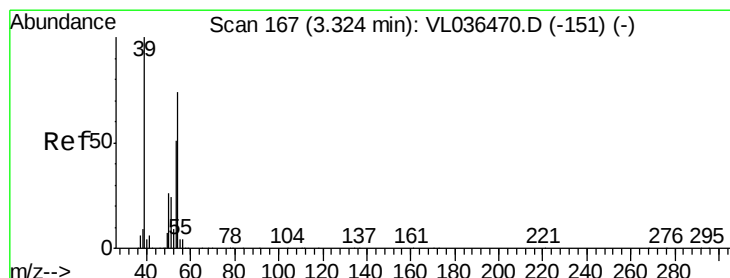
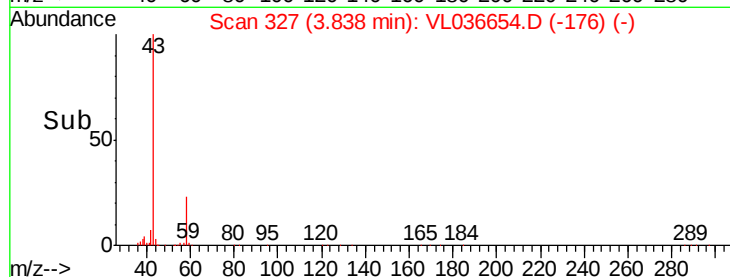
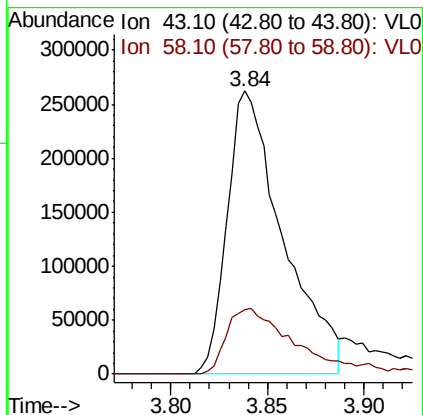
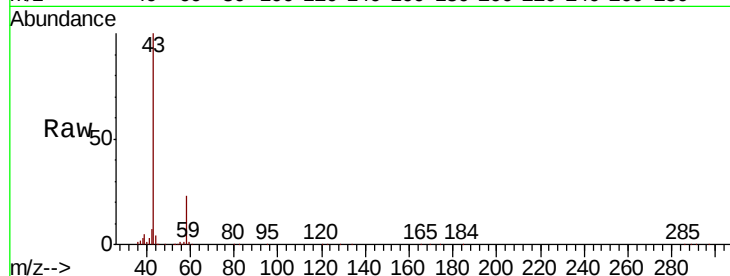
ClientSampleId :

Tot Ion: 43 Resp: 525405

Ion Ratio Lower Upper

43 100

58 30.1 21.2 31.8



#16

1,3-Butadiene

Concen: 0.136 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL036654.D

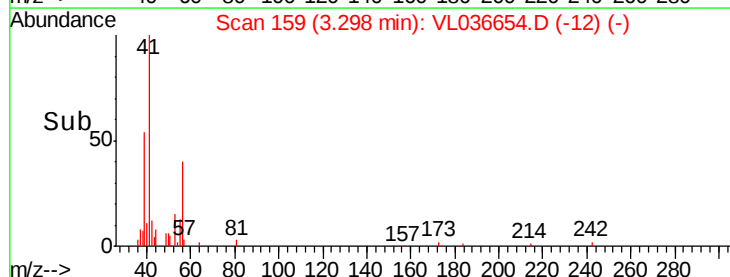
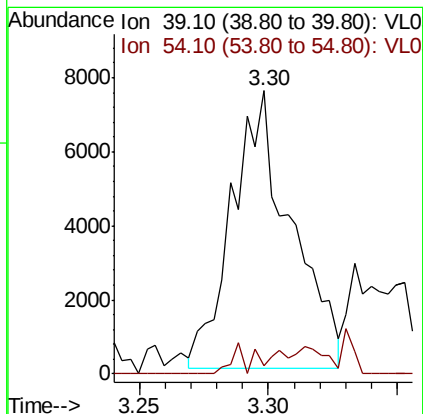
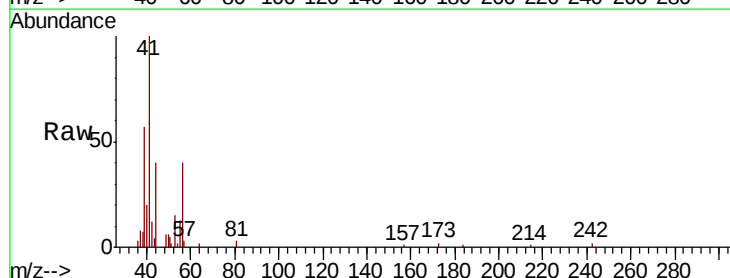
Acq: 2 Apr 2021 21:00

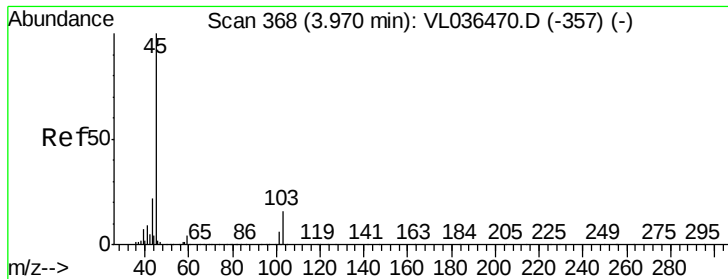
Tgt Ion: 39 Resp: 11993

Ion Ratio Lower Upper

39 100

54 0.0 58.8 88.2#





#19

Isopropyl Alcohol

Concen: 2.771 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036654.D

Acq: 2 Apr 2021 21:00

Instrument :

MSVOA_L

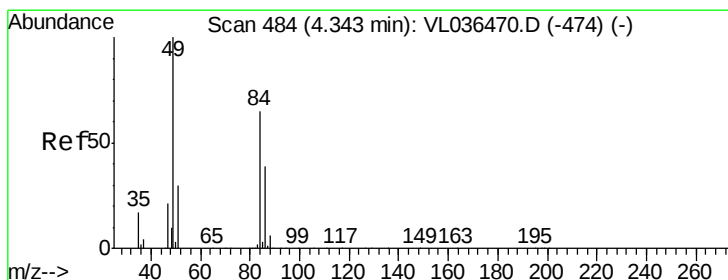
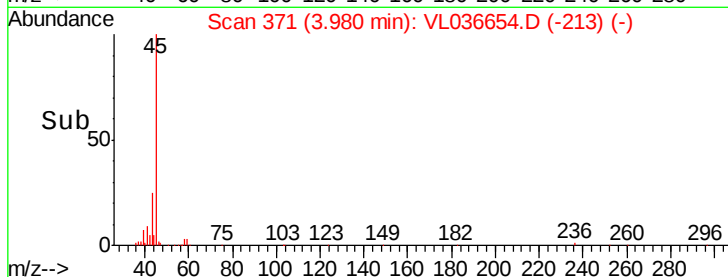
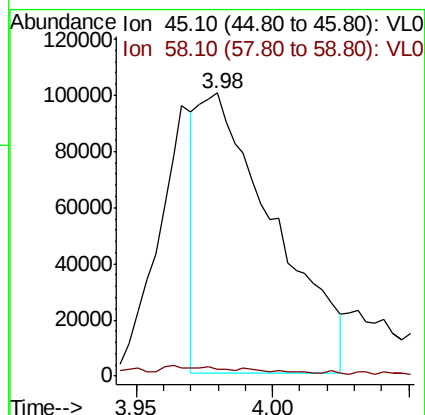
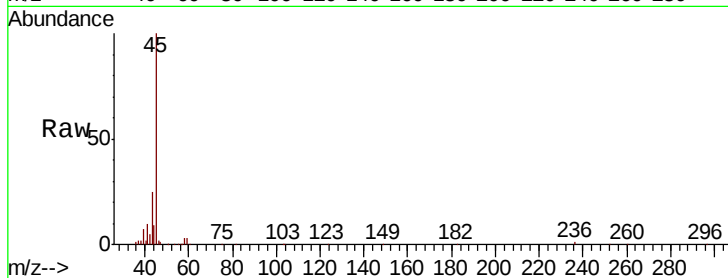
ClientSampleId :

Tot Ion: 45 Resp: 192763

Ion Ratio Lower Upper

45 100

58 3.0 2.9 4.3



#20

Methylene Chloride

Concen: 0.717 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036654.D

Acq: 2 Apr 2021 21:00

Tgt Ion: 84 Resp: 42456

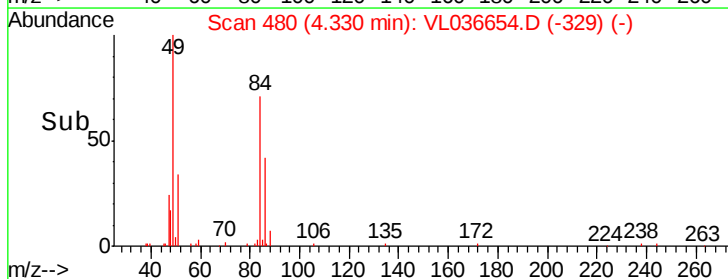
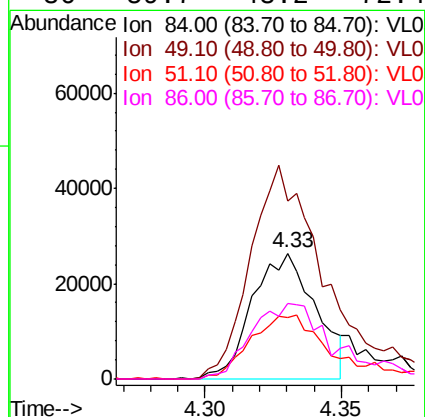
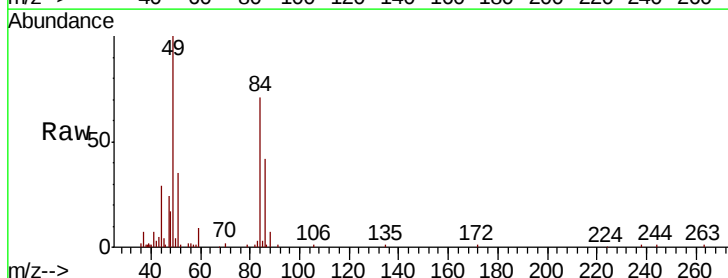
Ion Ratio Lower Upper

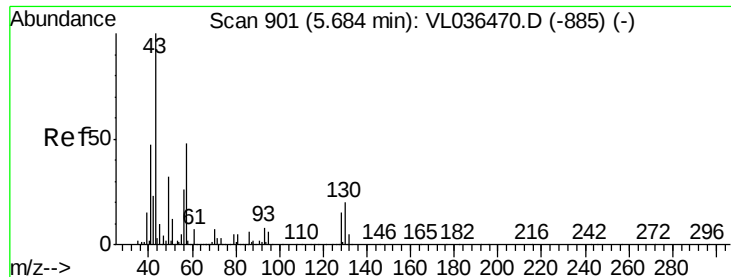
84 100

49 141.4 122.9 184.3

51 48.9 36.9 55.3

86 59.7 48.2 72.4

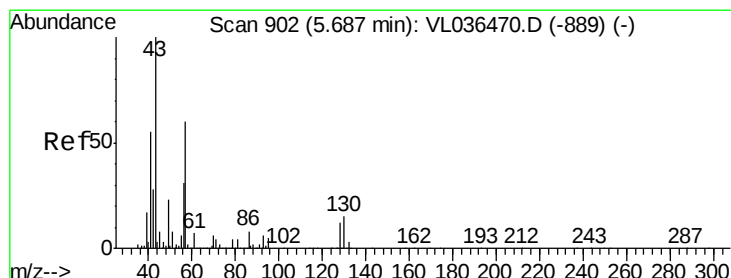
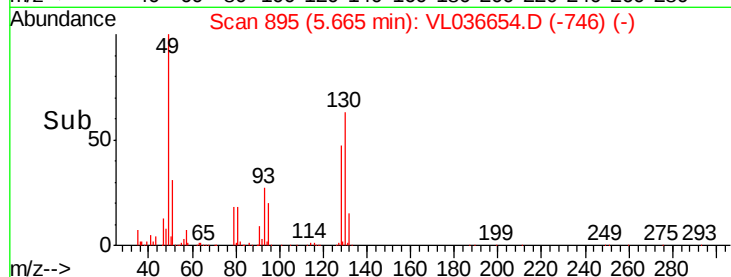
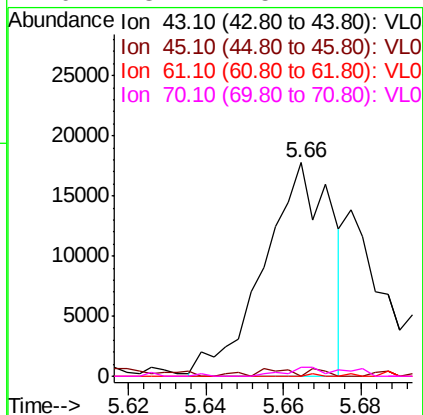
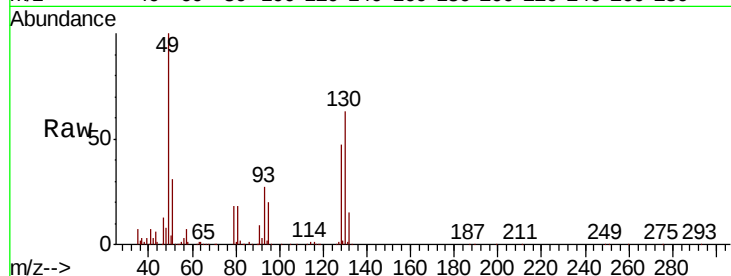




#25
Ethyl Acetate
Concen: 0.071 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036654.D
Acq: 2 Apr 2021 21:00

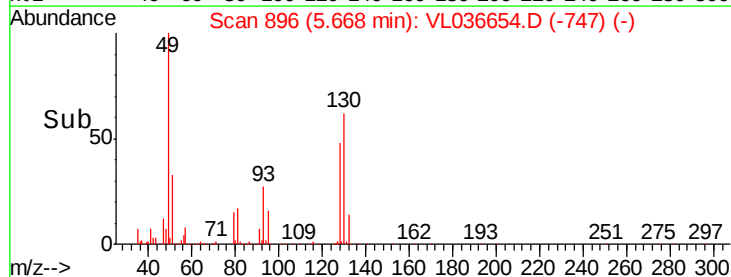
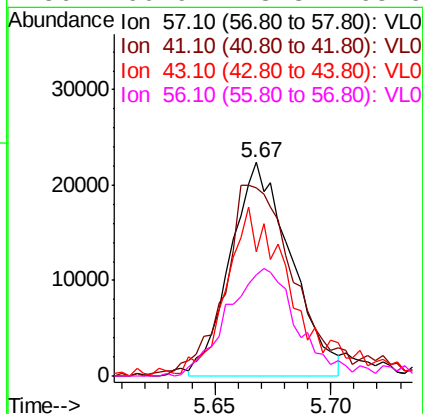
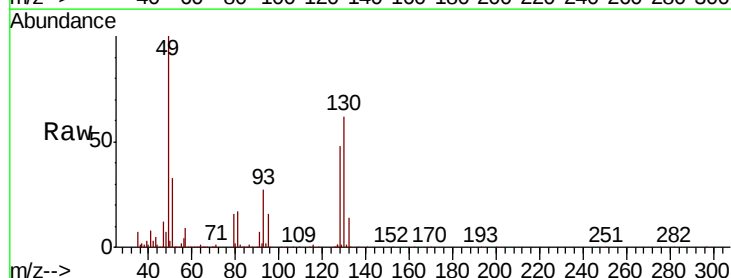
Instrument :
MSVOA_L
ClientSampleId :

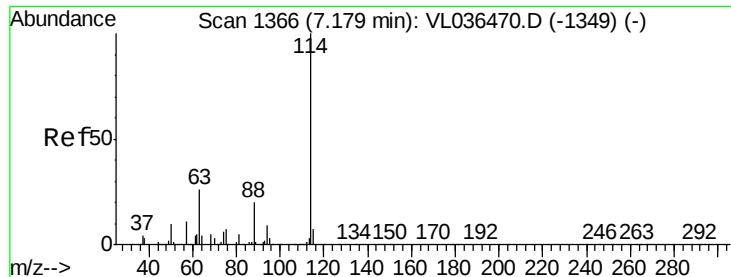
Tot Ion:	43	Resp:	21380
Ion	Ratio	Lower	Upper
43	100		
45	2.7	7.9	11.9#
61	0.0	7.4	11.2#
70	3.7	5.1	7.7#



#26
Hexane
Concen: 0.291 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036654.D
Acq: 2 Apr 2021 21:00

Tgt Ion:	57	Resp:	40662
Ion	Ratio	Lower	Upper
57	100		
41	107.7	77.2	115.8
43	83.7	173.8	260.6#
56	60.9	43.8	65.6

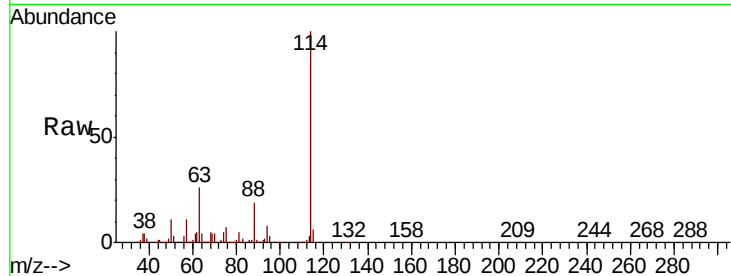




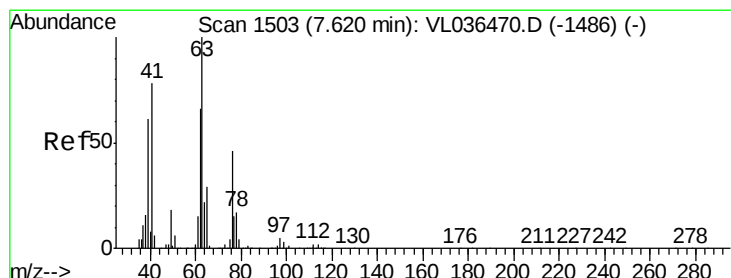
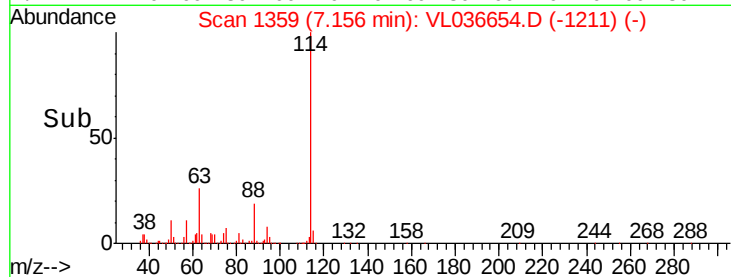
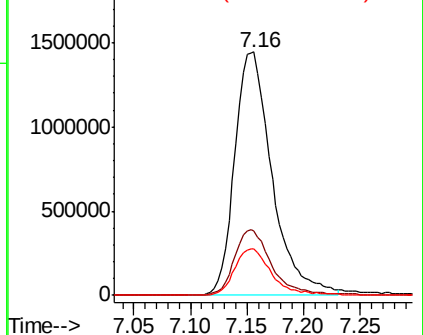
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036654.D
 Acq: 2 Apr 2021 21:00

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3338753
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.4 33.6
 88 19.2 15.4 23.0

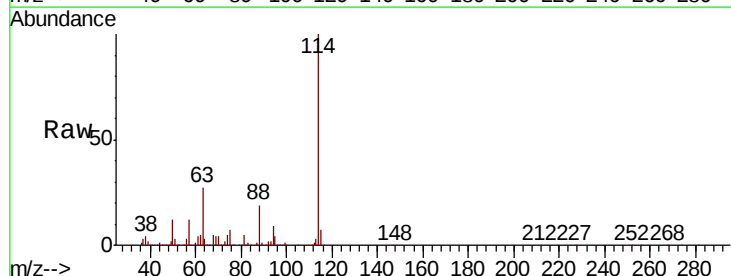


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

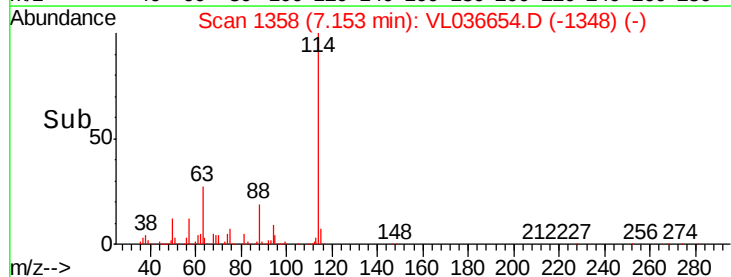
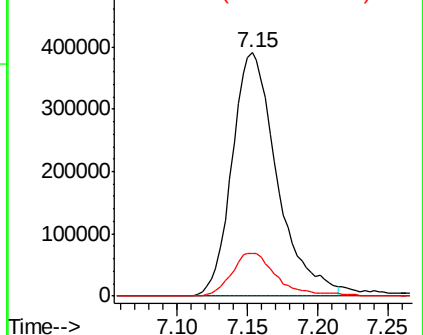


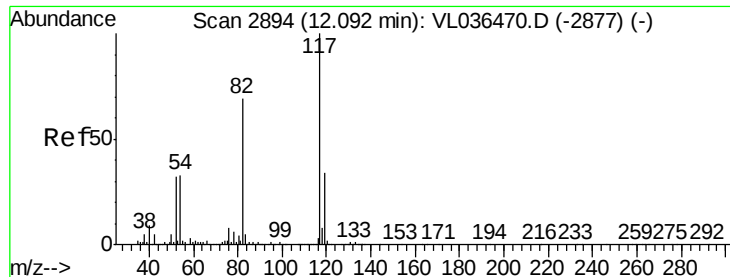
#39
 1,2-Dichloropropane
 Concen: 6.977 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL036654.D
 Acq: 2 Apr 2021 21:00

Tgt Ion: 63 Resp: 871523
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.6 52.8 79.2#



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

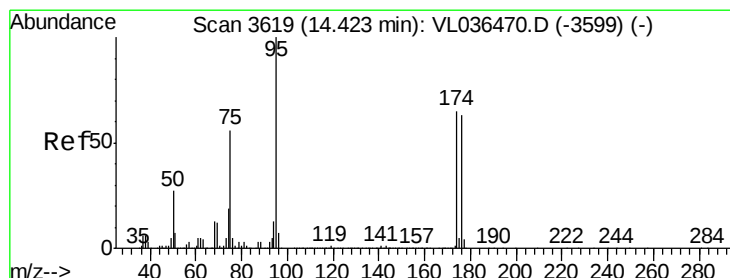
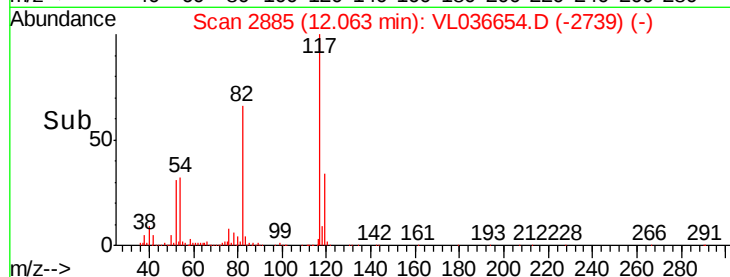
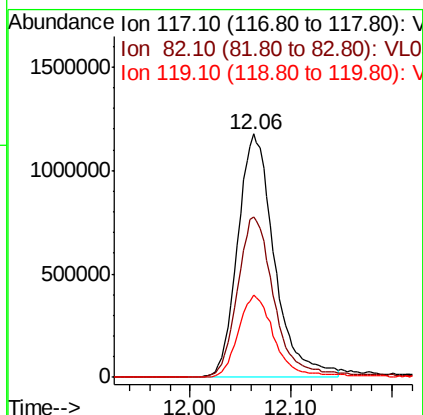
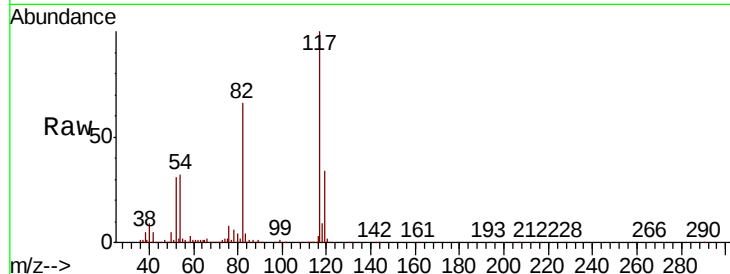




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL036654.D
Acq: 2 Apr 2021 21:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2968619
Ion Ratio Lower Upper
117 100
82 68.6 57.4 86.0
119 34.1 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.816 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL036654.D
Acq: 2 Apr 2021 21:00

Tgt Ion: 95 Resp: 2322485
Ion Ratio Lower Upper
95 100
174 71.4 51.0 76.6
175 5.7 3.9 5.9

