

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036453.D
 Acq On : 19 Mar 2021 18:28
 Operator :
 Sample : OC030821 CAN 10725
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:42:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1618521	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3650203	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3305853	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2783626	10.24	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

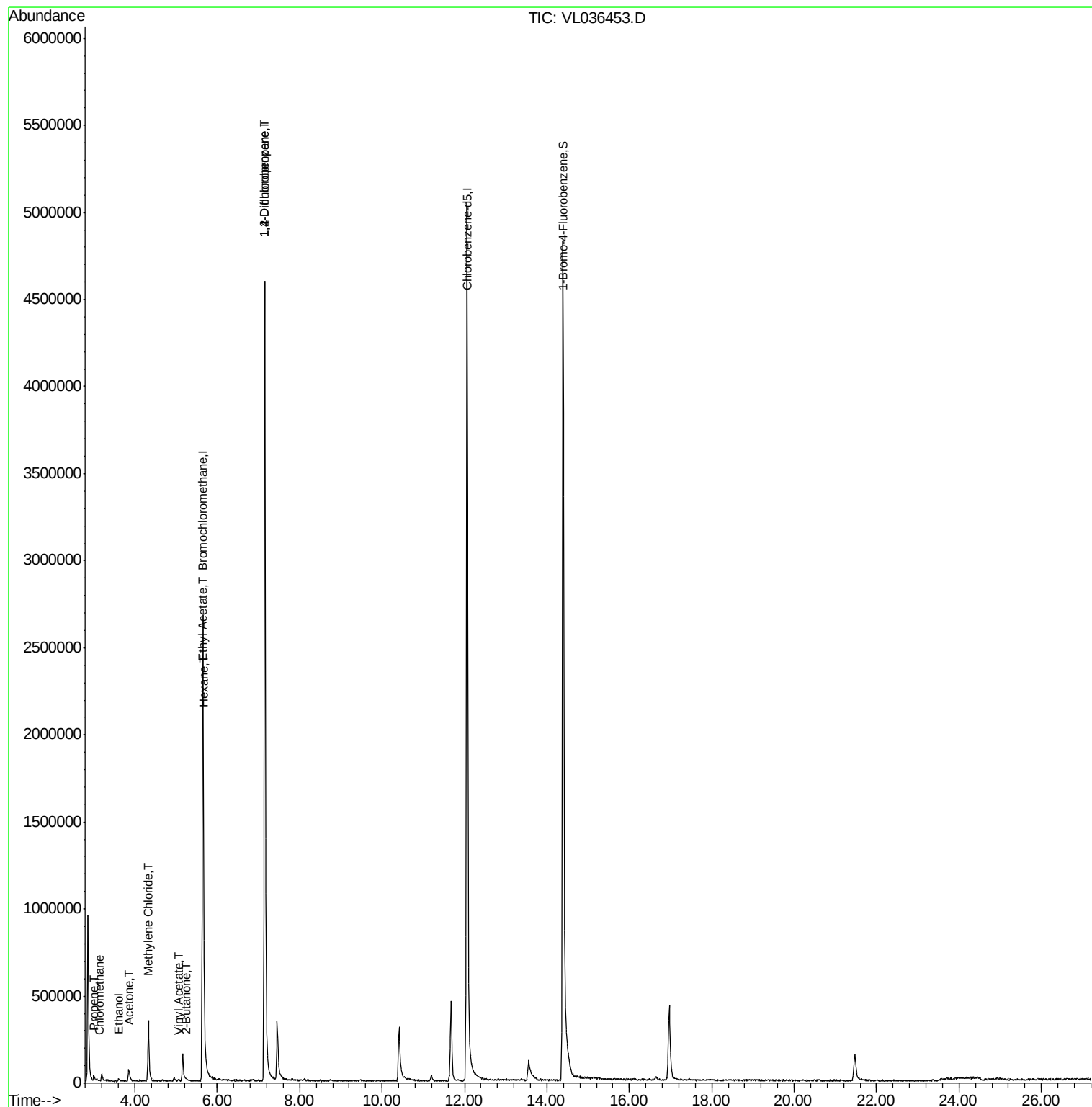
Target Compounds					Ovalue
4) Chloromethane	3.12	50	1876	0.021 ppbv #	65
9) Propene	3.00	41	5180	0.062 ppbv #	23
13) Ethanol	3.60	45	4497	0.351 ppbv #	34
15) Acetone	3.85	43	63368	0.343 ppbv #	5
20) Methylene Chloride	4.33	84	130683	2.096 ppbv	97
23) Vinyl Acetate	5.06	43	5969	0.029 ppbv #	84
25) Ethyl Acetate	5.66	43	45211	0.126 ppbv #	79
26) Hexane	5.67	57	64865	0.441 ppbv #	34
34) 2-Butanone	5.24	43	5994	0.027 ppbv #	55
39) 1,2-Dichloropropane	7.15	63	1016334	8.438 ppbv #	21

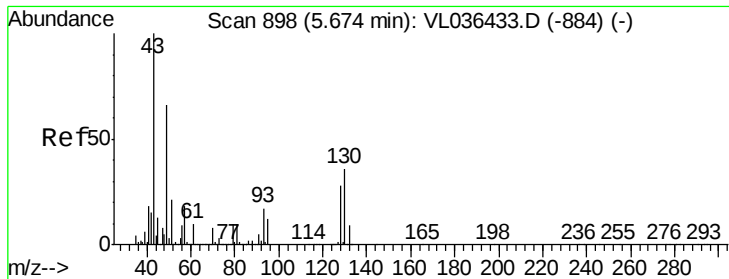
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
Data File : VL036453.D
Acq On : 19 Mar 2021 18:28
Operator :
Sample : OC030821 CAN 10725
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 20 00:42:13 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 03 14:18:24 2021
QLast Update : Wed Mar 03 14:18:24 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036453.D

Acq: 19 Mar 2021 18:28

Instrument :

MSVOA_L

ClientSampleId :

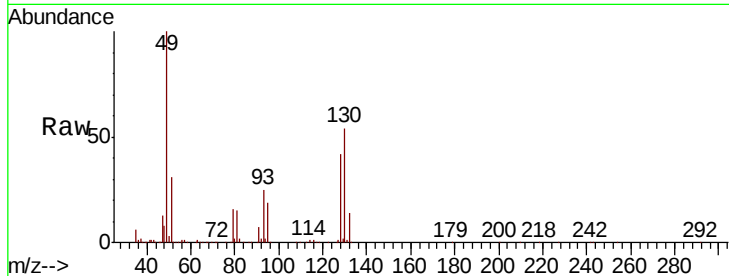
Tot Ion: 49 Resp: 1618521

Ion Ratio Lower Upper

49 100

128 42.9 22.4 67.2

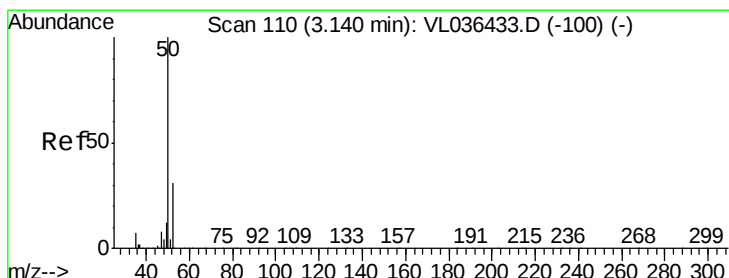
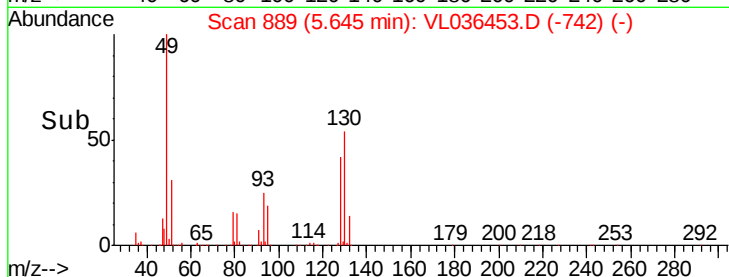
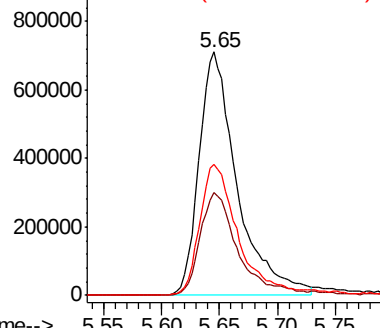
130 56.2 28.0 84.0



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



#4

Chloromethane

Concen: 0.021 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036453.D

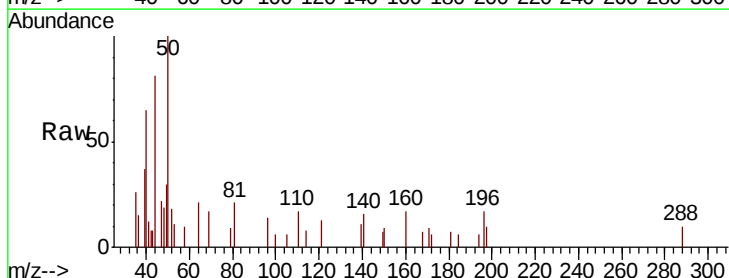
Acq: 19 Mar 2021 18:28

Tgt Ion: 50 Resp: 1876

Ion Ratio Lower Upper

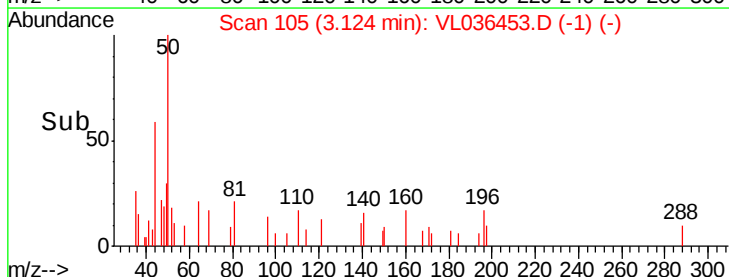
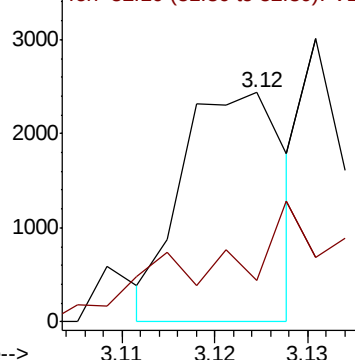
50 100

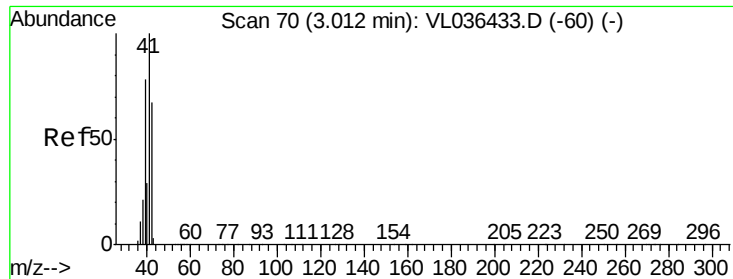
52 11.6 24.6 36.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.062 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036453.D

Acq: 19 Mar 2021 18:28

Instrument :

MSVOA_L

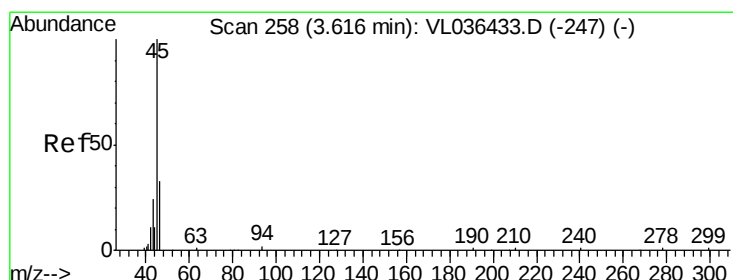
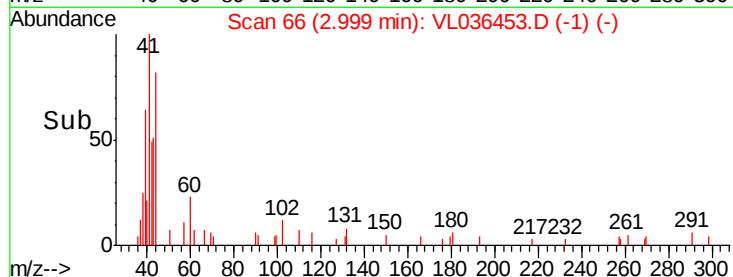
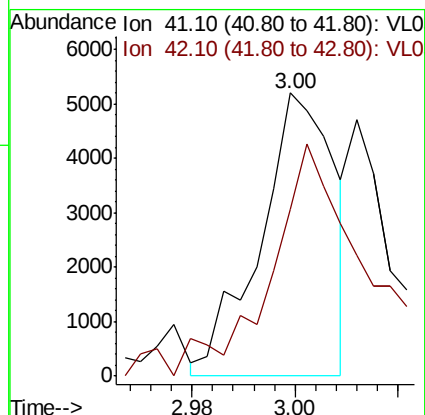
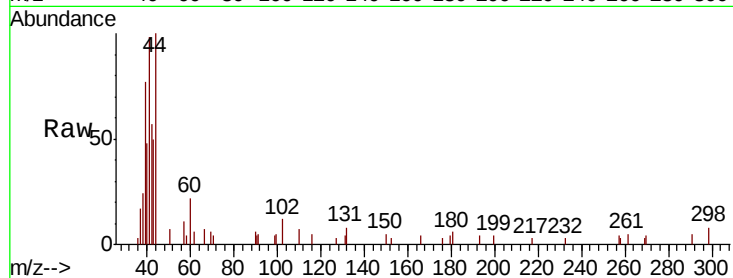
ClientSampled :

Tot Ion: 41 Resp: 5180

Ion Ratio Lower Upper

41 100

42 133.5 56.2 84.4#



#13

Ethanol

Concen: 0.351 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL036453.D

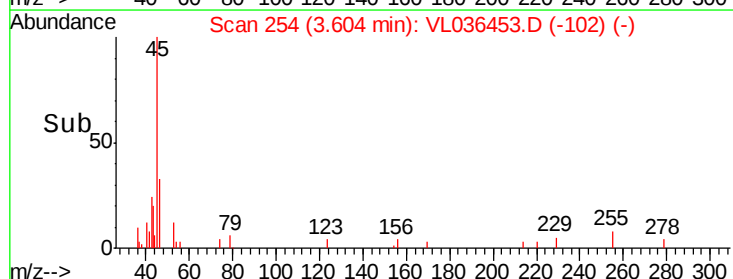
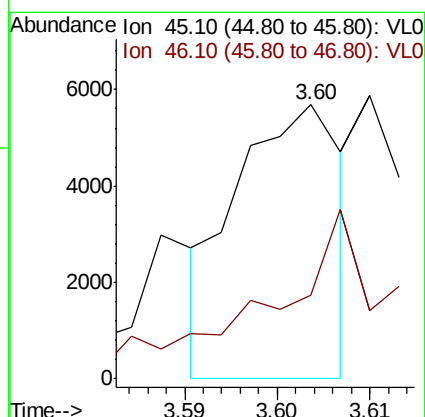
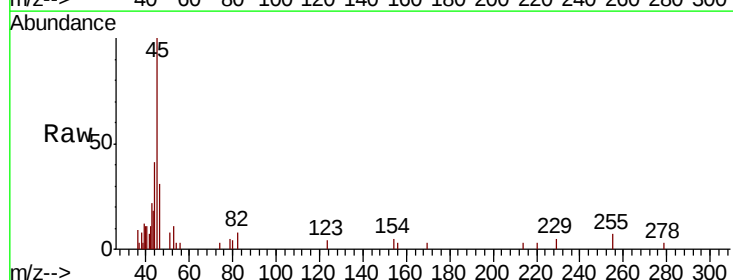
Acq: 19 Mar 2021 18:28

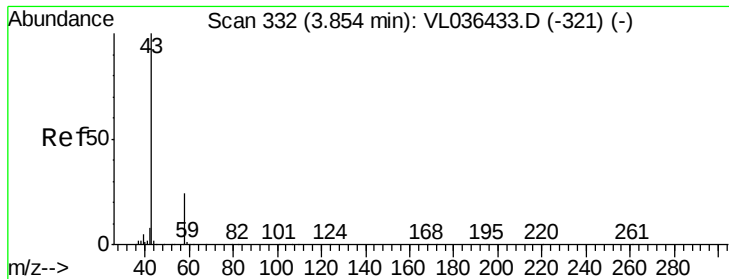
Tgt Ion: 45 Resp: 4497

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#

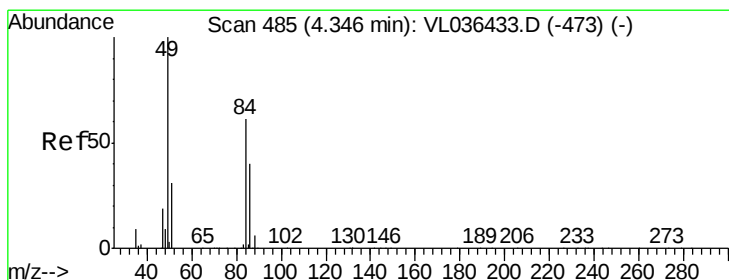
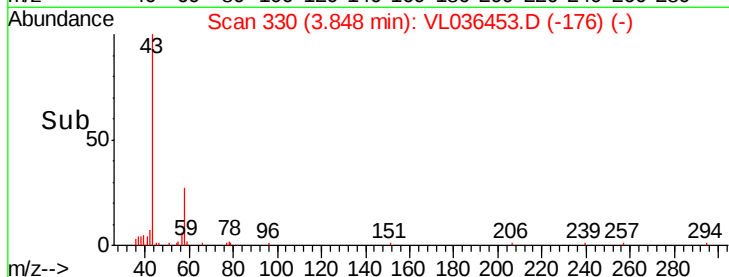
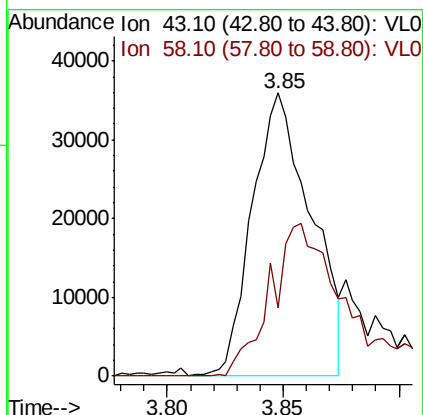
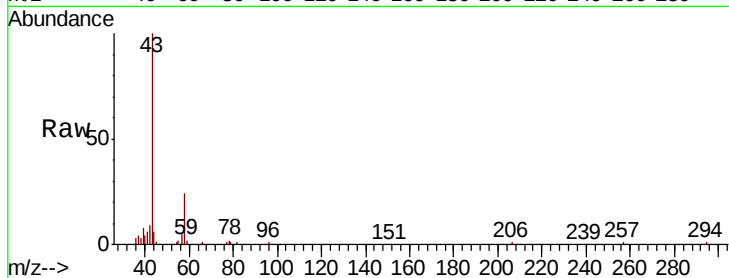




#15
Acetone
Concen: 0.343 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

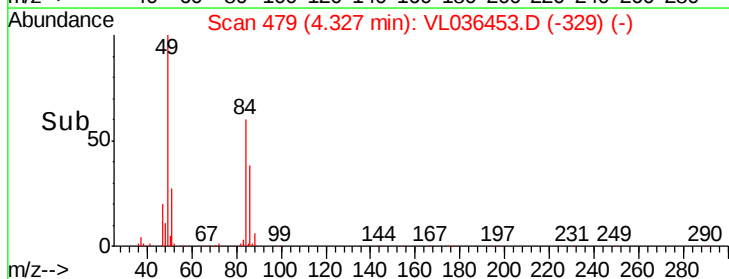
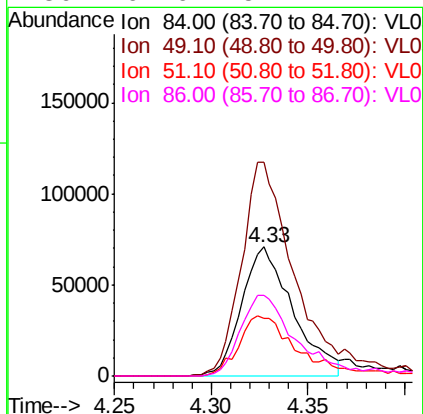
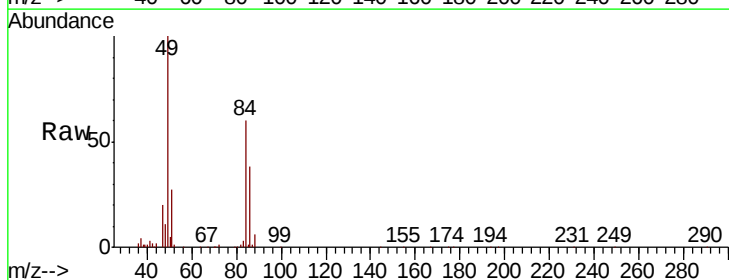
Instrument :
MSVOA_L
ClientSampleId :

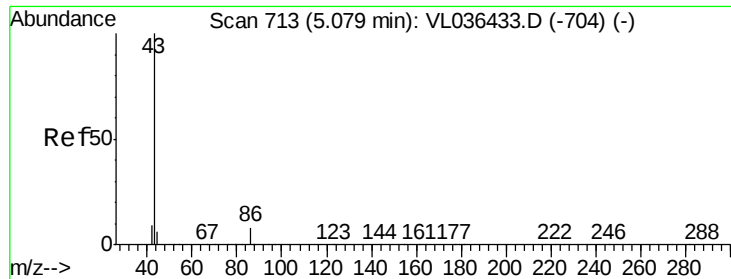
Tot Ion: 43 Resp: 63368
Ion Ratio Lower Upper
43 100
58 74.8 21.0 31.6#



#20
Methylene Chloride
Concen: 2.096 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

Tgt Ion: 84 Resp: 130683
Ion Ratio Lower Upper
84 100
49 165.4 130.2 195.2
51 44.9 40.5 60.7
86 62.6 51.4 77.2





#23

Vinyl Acetate

Concen: 0.029 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL036453.D

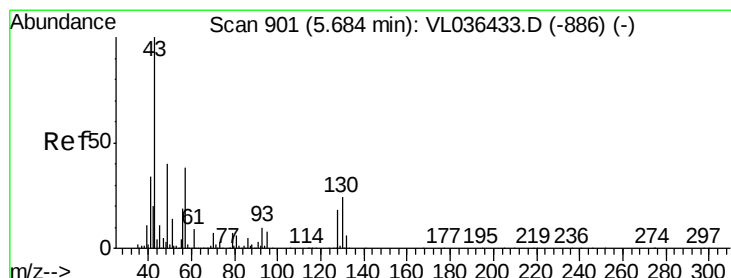
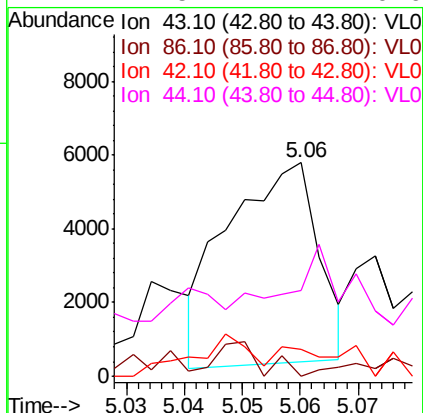
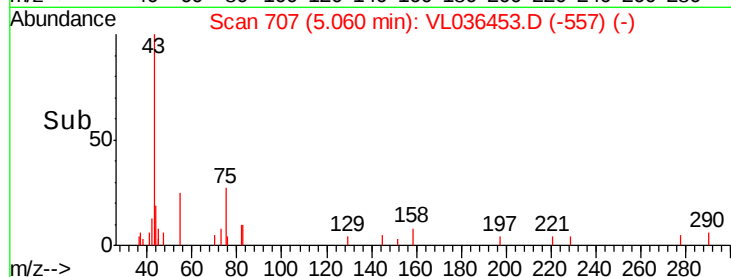
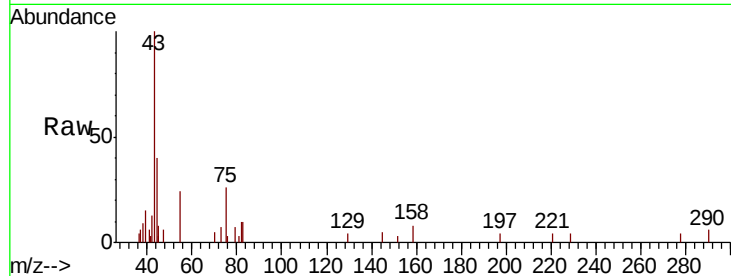
Acq: 19 Mar 2021 18:28

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	43	Resp:	5969
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.2	7.8#
42	5.8	8.3	12.5#
44	12.5	4.4	6.6#



#25

Ethyl Acetate

Concen: 0.126 ppbv

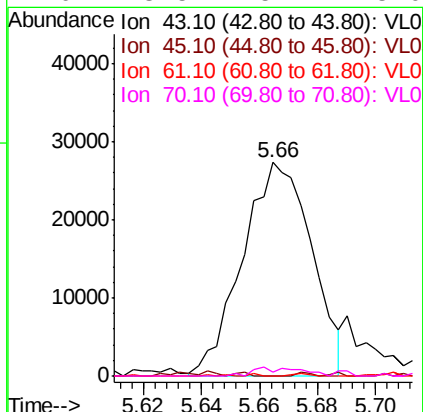
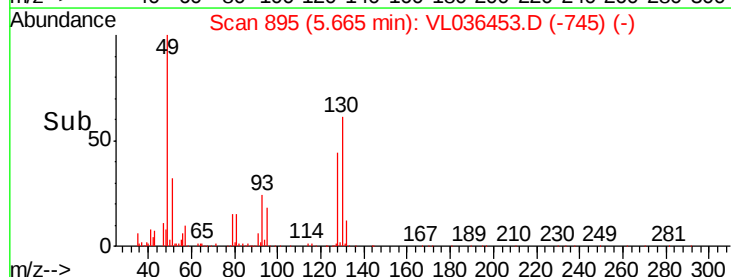
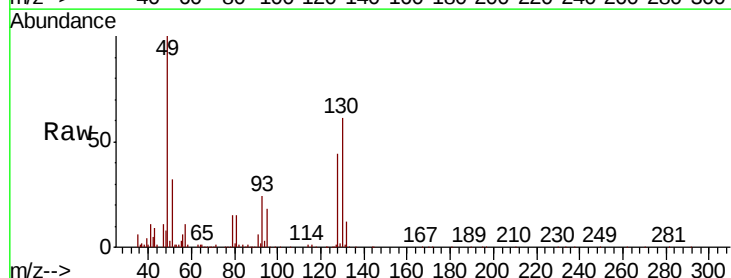
RT: 5.66 min Scan# 895

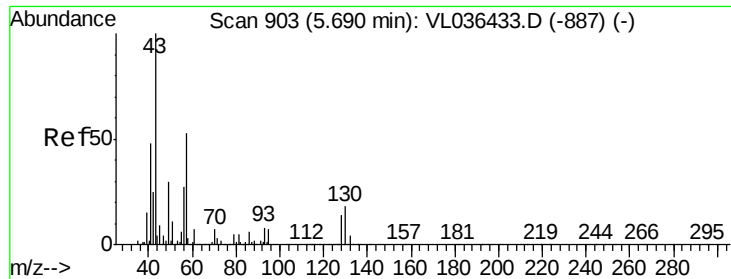
Delta R.T. -0.02 min

Lab File: VL036453.D

Acq: 19 Mar 2021 18:28

Tgt Ion:	43	Resp:	45211
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.0	12.0#
61	0.6	7.7	11.5#
70	3.5	5.4	8.0#

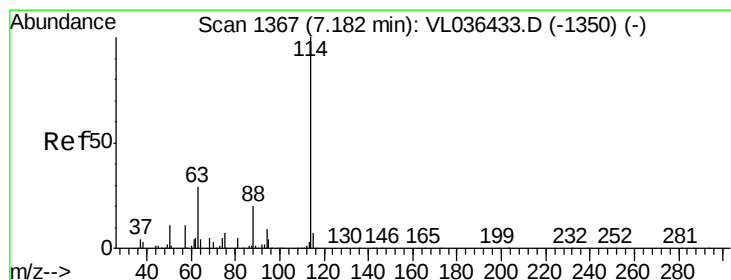
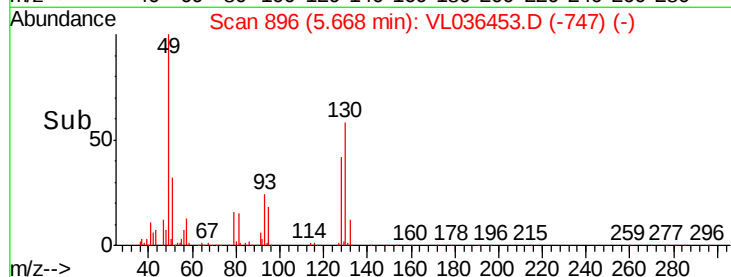
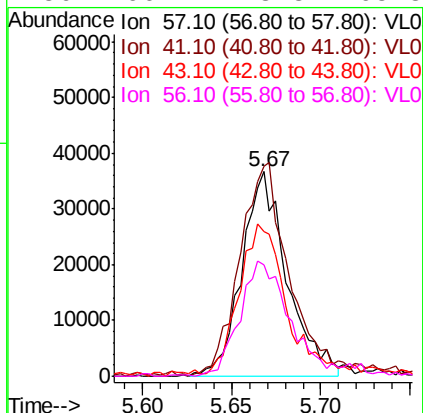
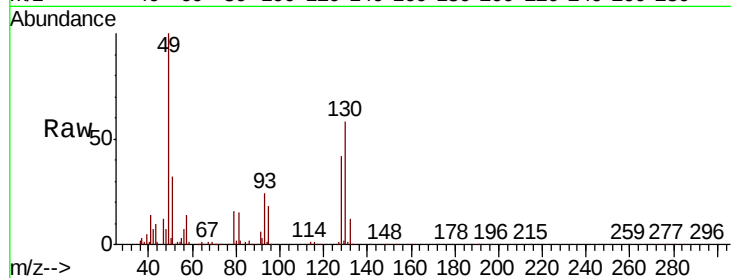




#26
Hexane
Concen: 0.441 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

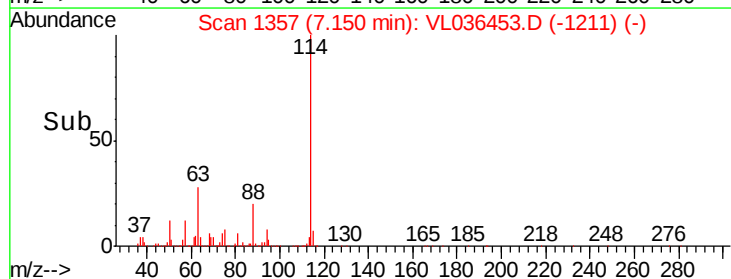
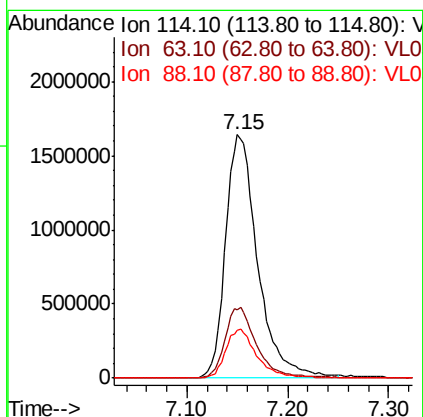
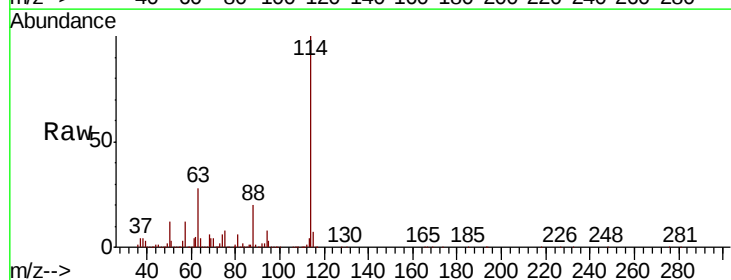
Instrument :
MSVOA_L
ClientSampled :

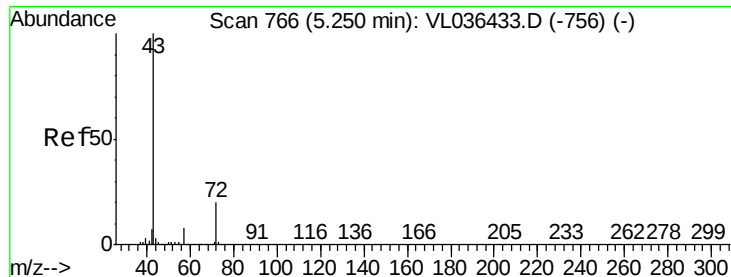
Tot Ion: 57 Resp: 64865
Ion Ratio Lower Upper
57 100
41 118.7 80.4 120.6
43 81.1 199.8 299.6#
56 66.2 43.8 65.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

Tgt Ion: 114 Resp: 3650203
Ion Ratio Lower Upper
114 100
63 29.0 23.3 34.9
88 19.7 15.6 23.4

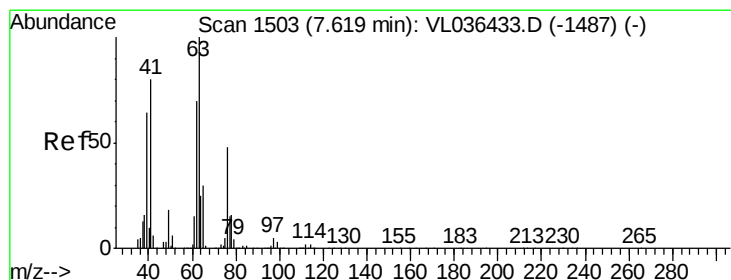
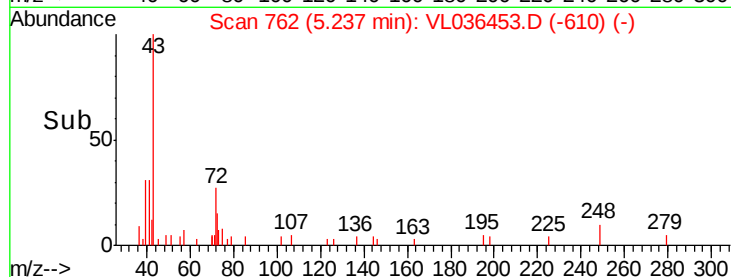
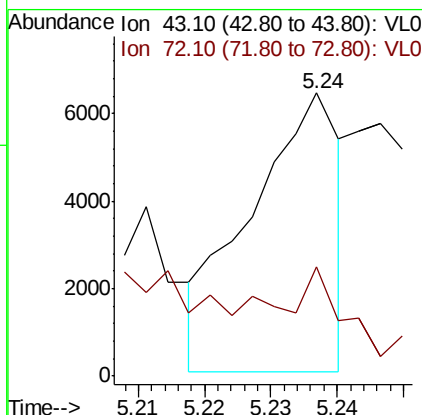
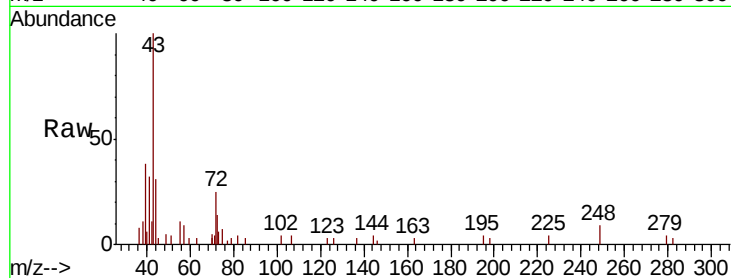




#34
2-Butanone
Concen: 0.027 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

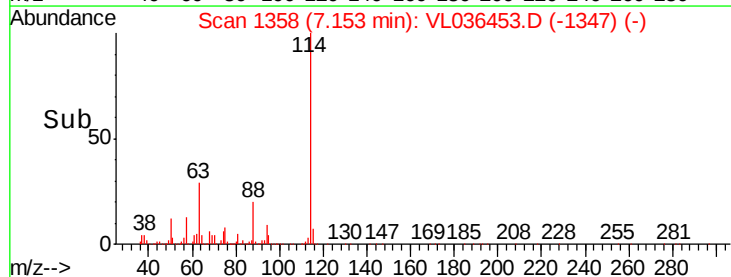
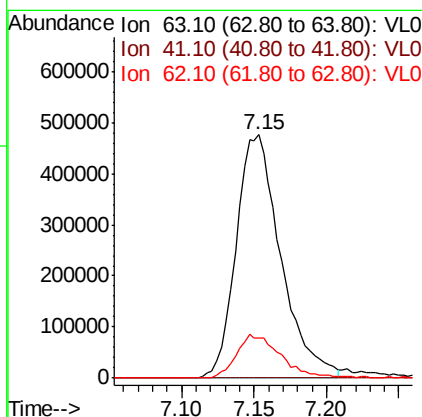
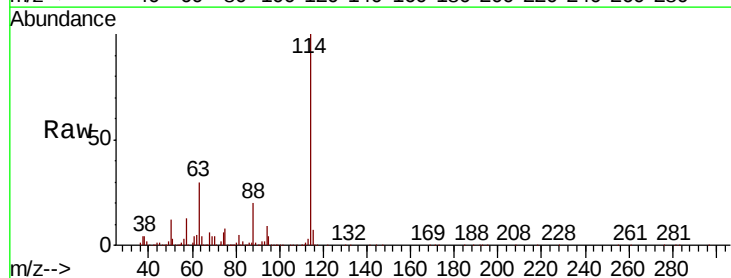
Instrument :
MSVOA_L
ClientSampled :

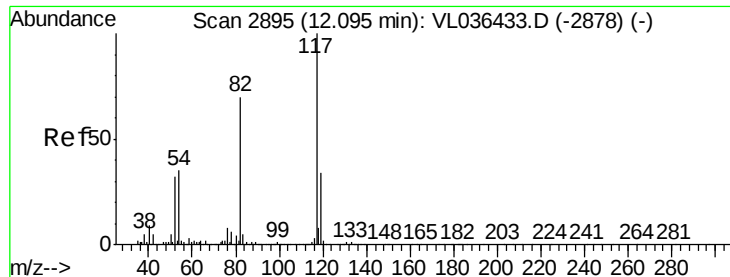
Tot Ion: 43 Resp: 5994
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



#39
1,2-Dichloropropane
Concen: 8.438 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.47 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

Tgt Ion: 63 Resp: 1016334
Ion Ratio Lower Upper
63 100
41 0.0 64.4 96.6#
62 16.6 55.7 83.5#

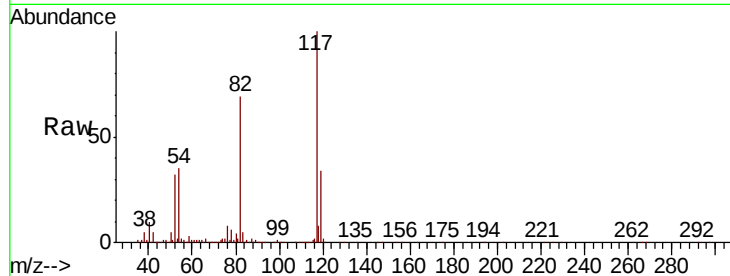




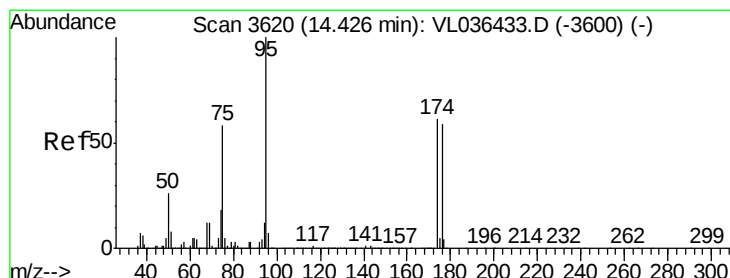
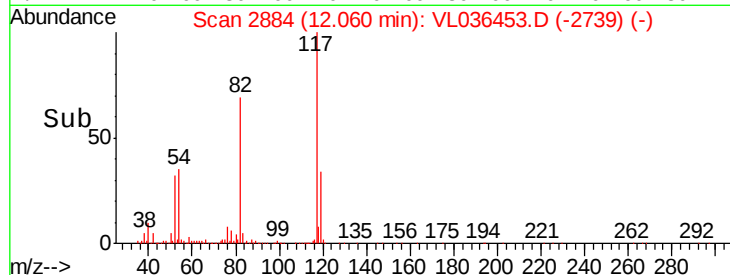
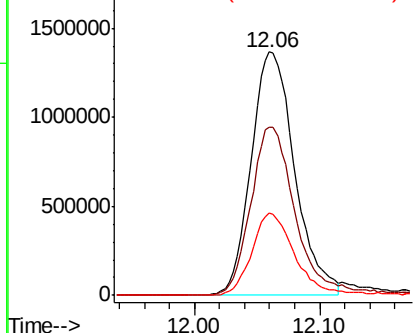
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3305853
Ion Ratio Lower Upper
117 100
82 73.8 56.5 84.7
119 34.3 27.0 40.4

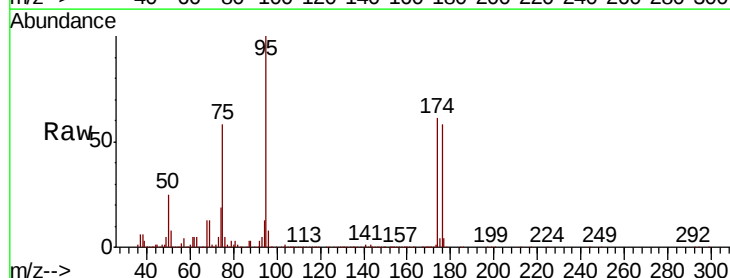


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.239 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL036453.D
Acq: 19 Mar 2021 18:28

Tgt Ion: 95 Resp: 2783626
Ion Ratio Lower Upper
95 100
174 62.9 51.0 76.4
175 4.4 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

