

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036253.D
 Acq On : 20 Jan 2021 19:13
 Operator : SY/AP
 Sample : OC010721 CAN 10740
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC010721 CAN 10740

Quant Time: Jan 21 01:36:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1431910	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2995792	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2746248	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2288377	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

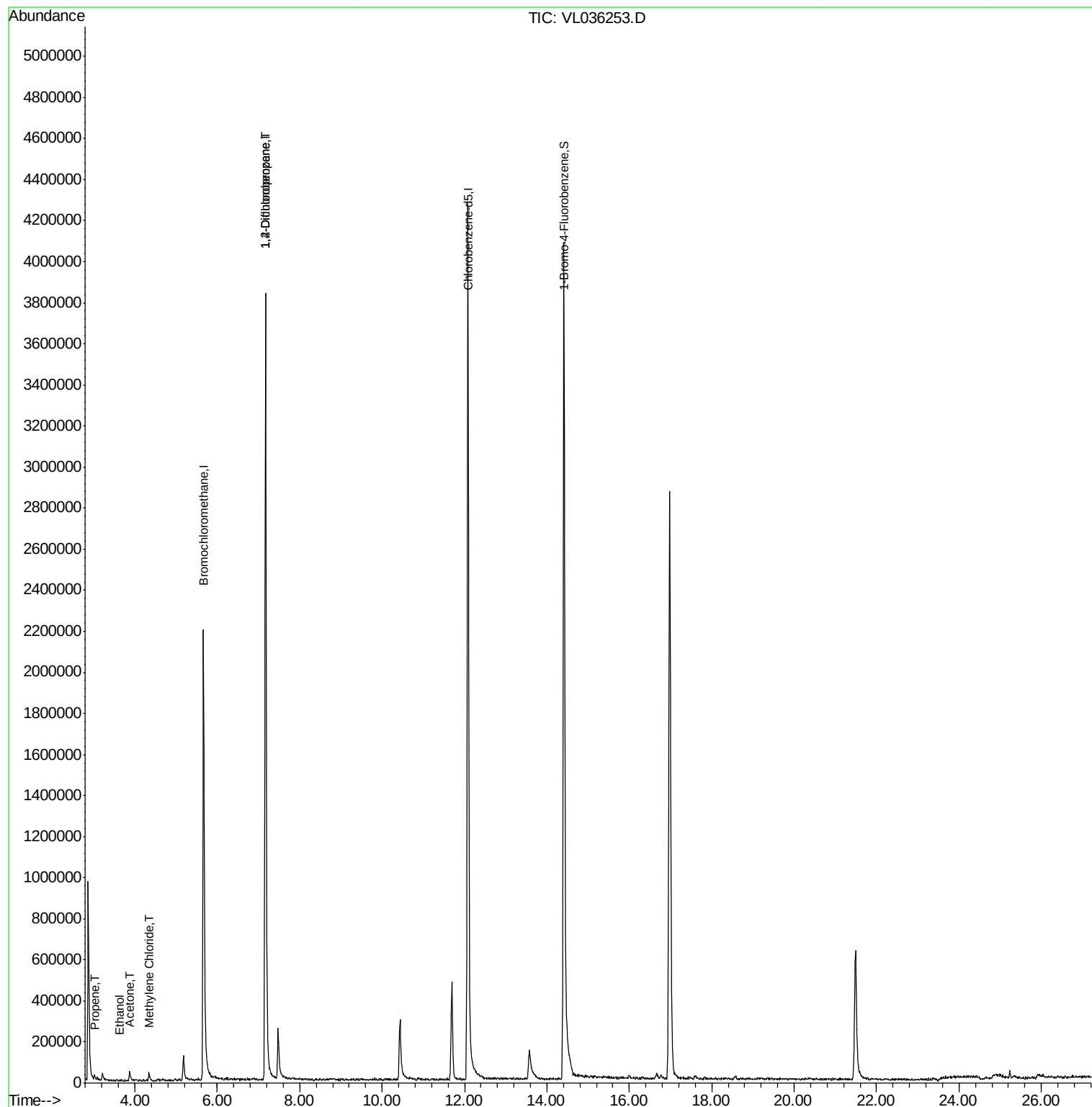
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	5711	0.068	ppbv #	79
13) Ethanol	3.62	45	437	0.033	ppbv #	29
15) Acetone	3.87	43	31364	0.179	ppbv #	1
20) Methylene Chloride	4.35	84	10450	0.187	ppbv #	77
39) 1,2-Dichloropropane	7.17	63	883759	7.930	ppbv #	20

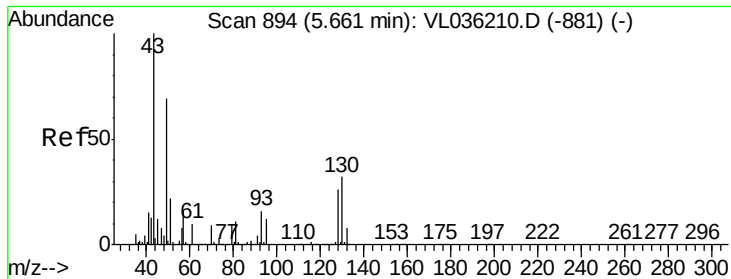
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

QC010721 CAN 10740

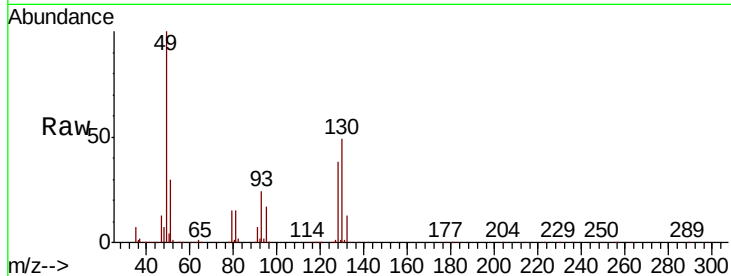
Tot Ion: 49 Resp: 1431910

Ion Ratio Lower Upper

49 100

128 40.3 20.1 60.2

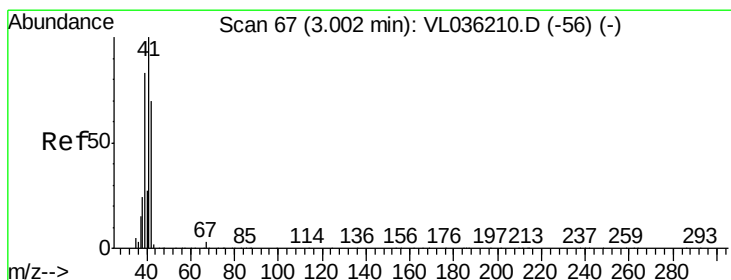
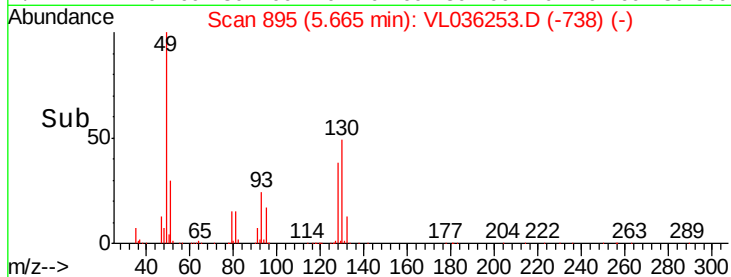
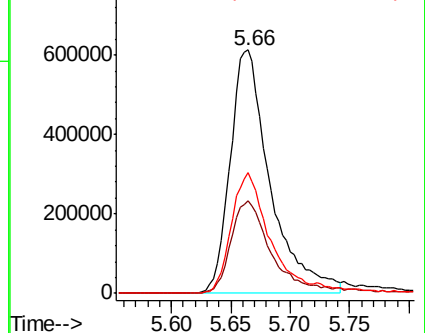
130 51.0 25.3 75.9



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: 0.068 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL036253.D

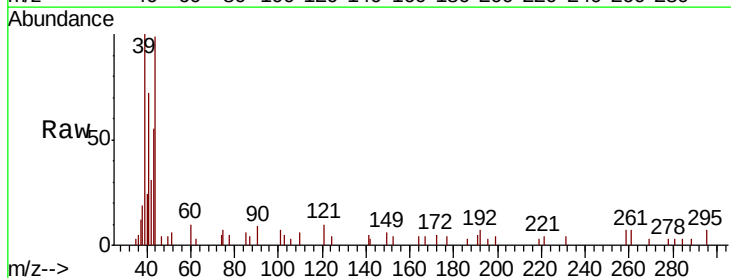
Acq: 20 Jan 2021 19:13

Tgt Ion: 41 Resp: 5711

Ion Ratio Lower Upper

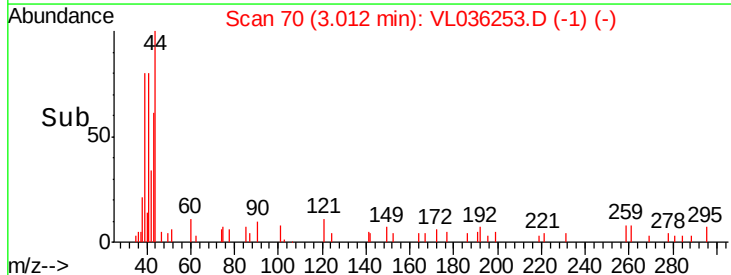
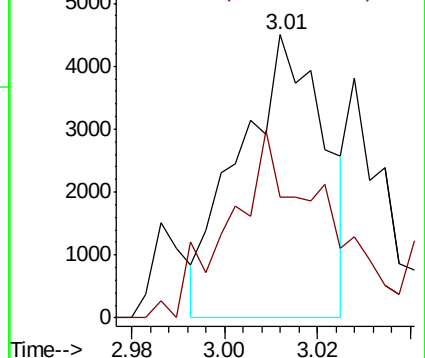
41 100

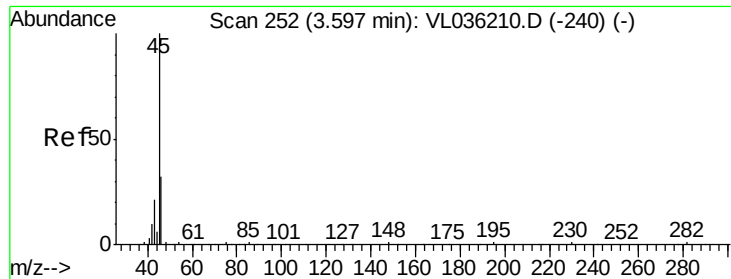
42 88.9 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

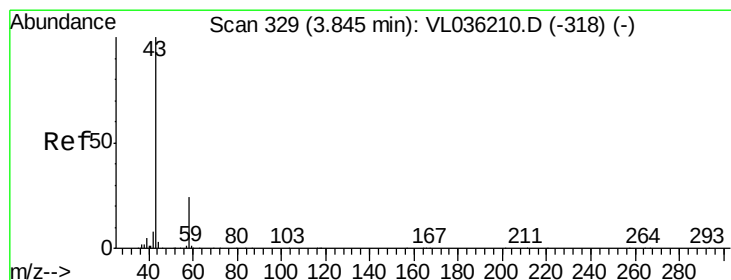
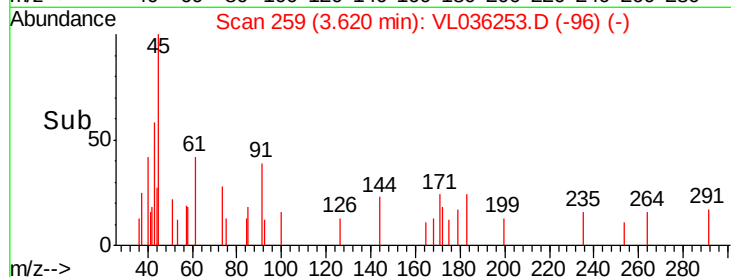
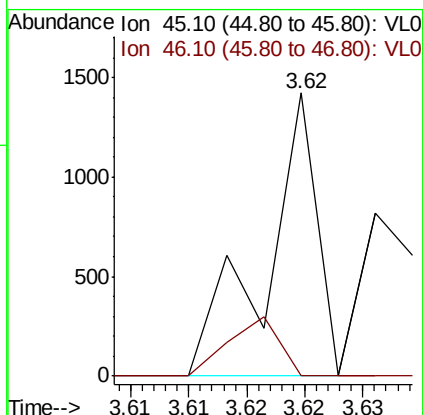
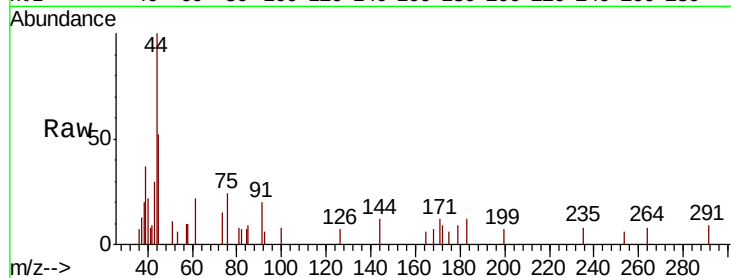




#13
Ethanol
Concen: 0.033 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL036253.D
Acq: 20 Jan 2021 19:13

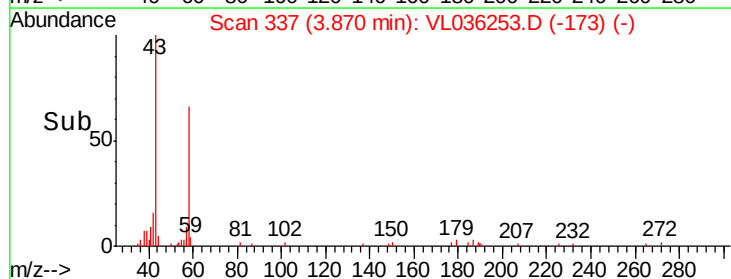
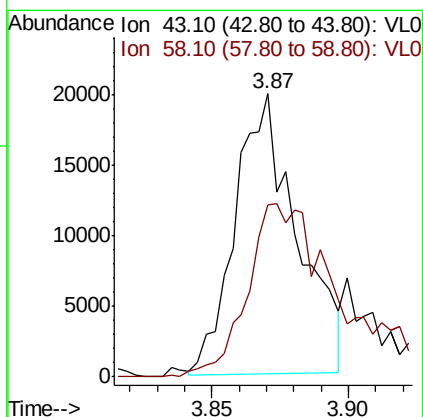
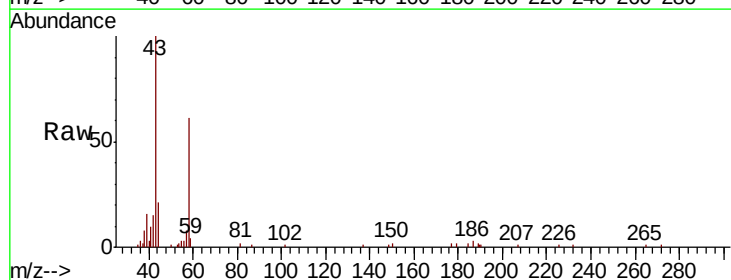
Instrument :
MSVOA_L
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QC010721 CAN 10740

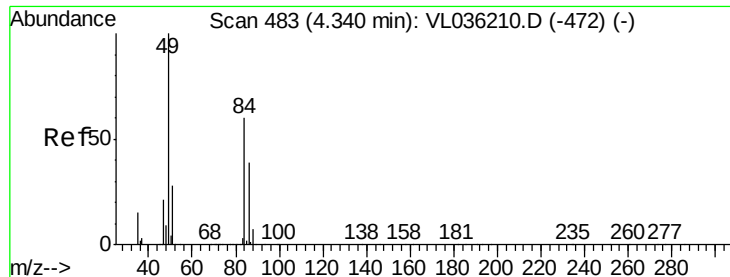
Tot Ion: 45 Resp: 437
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#



#15
Acetone
Concen: 0.179 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.03 min
Lab File: VL036253.D
Acq: 20 Jan 2021 19:13

Tgt Ion: 43 Resp: 31364
Ion Ratio Lower Upper
43 100
58 101.6 20.9 31.3#

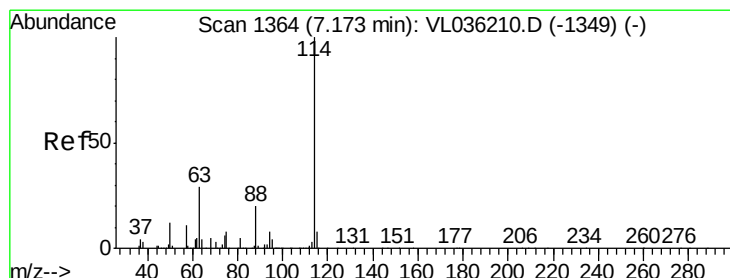
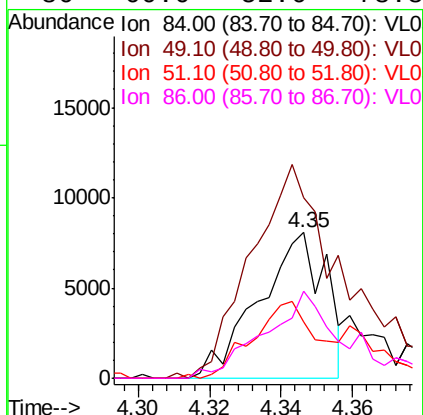
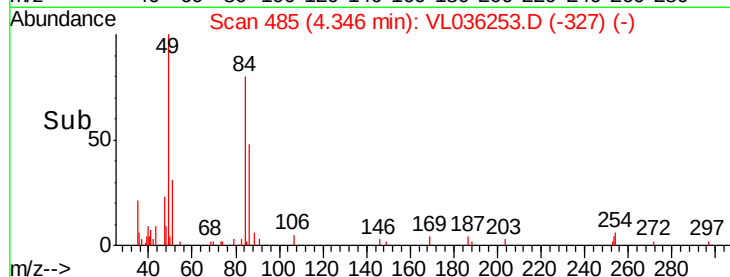
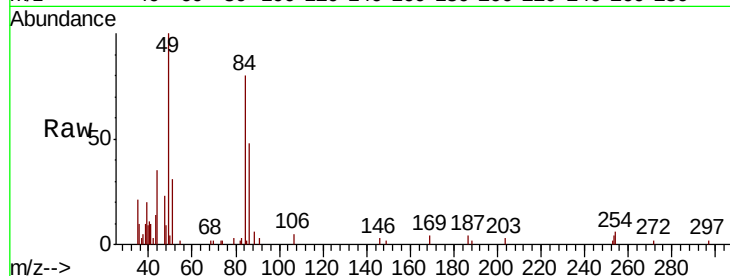




#20
Methylene Chloride
Concen: 0.187 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL036253.D
Acq: 20 Jan 2021 19:13

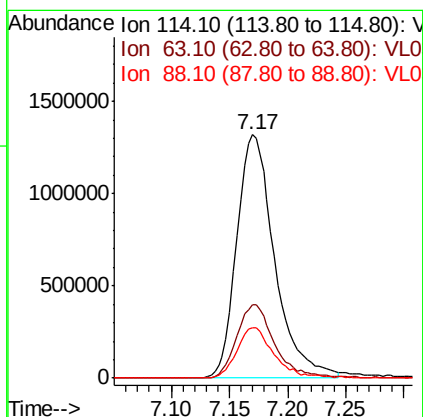
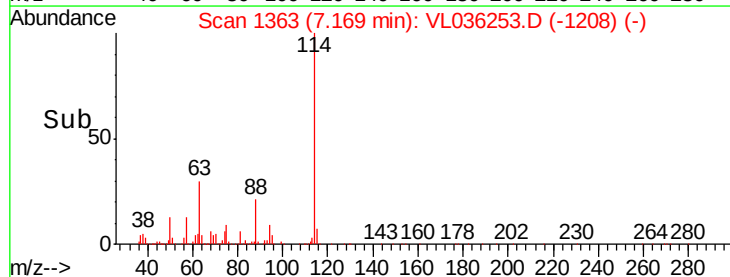
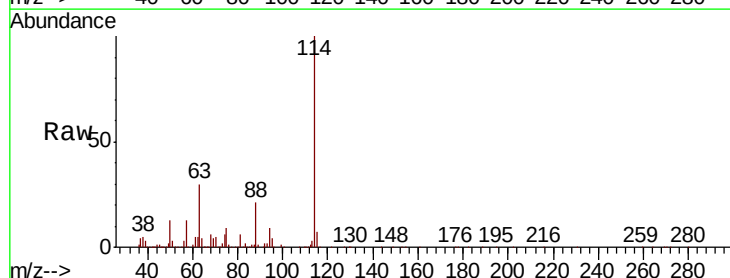
Instrument :
MSVOA_L
ClientSampleId :
QC010721 CAN 10740

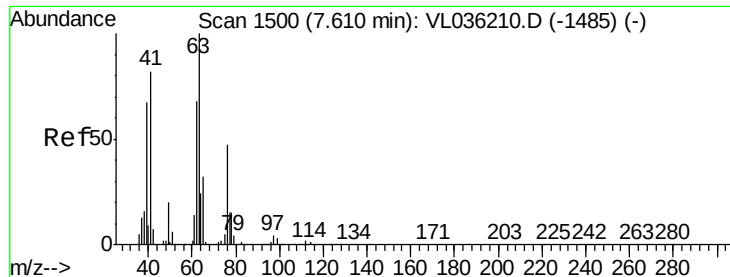
Tot Ion	Ratio	Lower	Upper
84	100		
49	124.2	134.1	201.1#
51	36.0	37.4	56.0#
86	60.0	52.6	78.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL036253.D
Acq: 20 Jan 2021 19:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	20.8	16.6	24.8





#39

1,2-Dichloropropane

Concen: 7.930 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL036253.D

Acq: 20 Jan 2021 19:13

Instrument :

MSVOA_L

ClientSampleId :

QC010721 CAN 10740

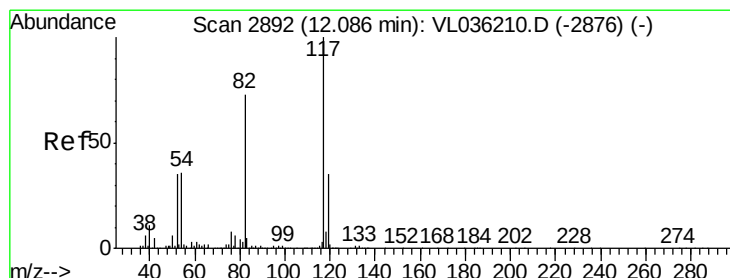
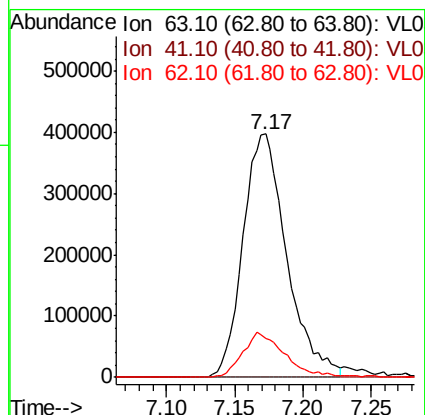
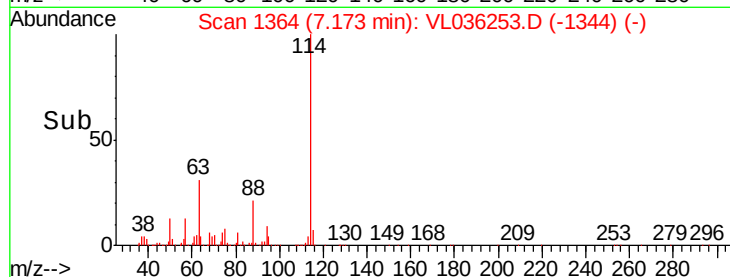
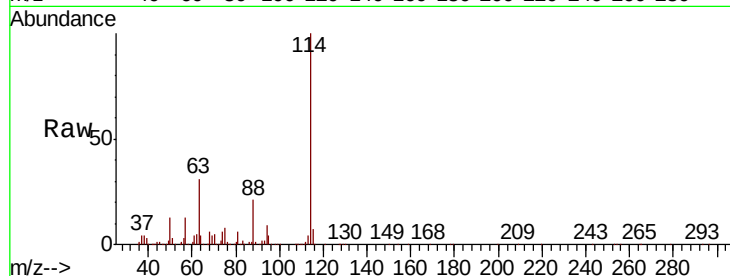
Tot Ion: 63 Resp: 883759

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

62 16.0 54.8 82.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.00 min

Lab File: VL036253.D

Acq: 20 Jan 2021 19:13

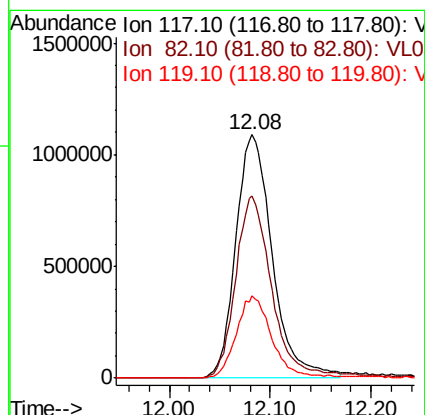
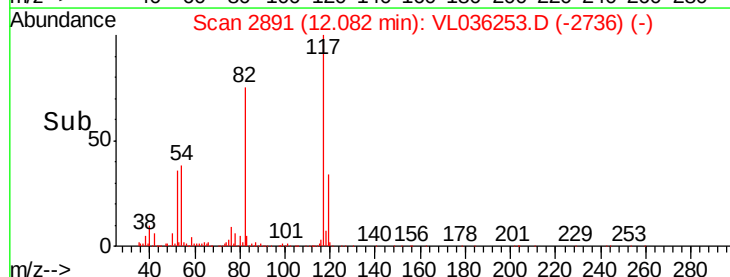
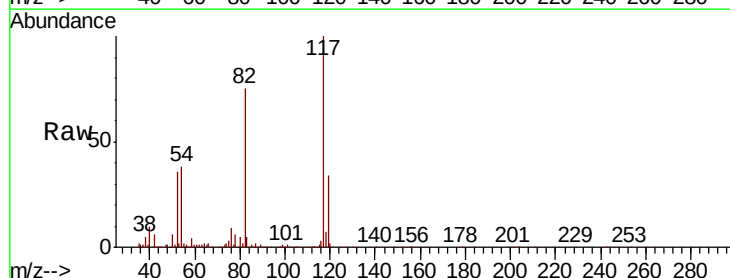
Tgt Ion: 117 Resp: 2746248

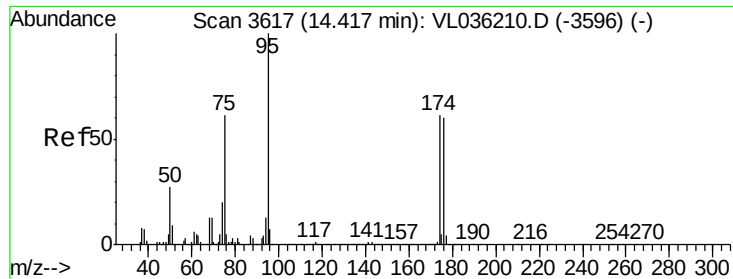
Ion Ratio Lower Upper

117 100

82 76.2 59.7 89.5

119 34.4 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.067 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.00 min

Lab File: VL036253.D

Acq: 20 Jan 2021 19:13

Instrument :

MSVOA_L

ClientSampleId :

QC010721 CAN 10740

Tot Ion: 95 Resp: 2288377

Ion Ratio Lower Upper

95 100

174 62.1 49.4 74.0

175 4.8 3.8 5.8

