

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036747.D
 Acq On : 8 Apr 2021 12:09
 Operator : SY/AP
 Sample : VL0408ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABL01

Quant Time: Apr 09 08:38:02 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	5.66	49	1133648	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	2767262	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2417828	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1841201	9.55	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

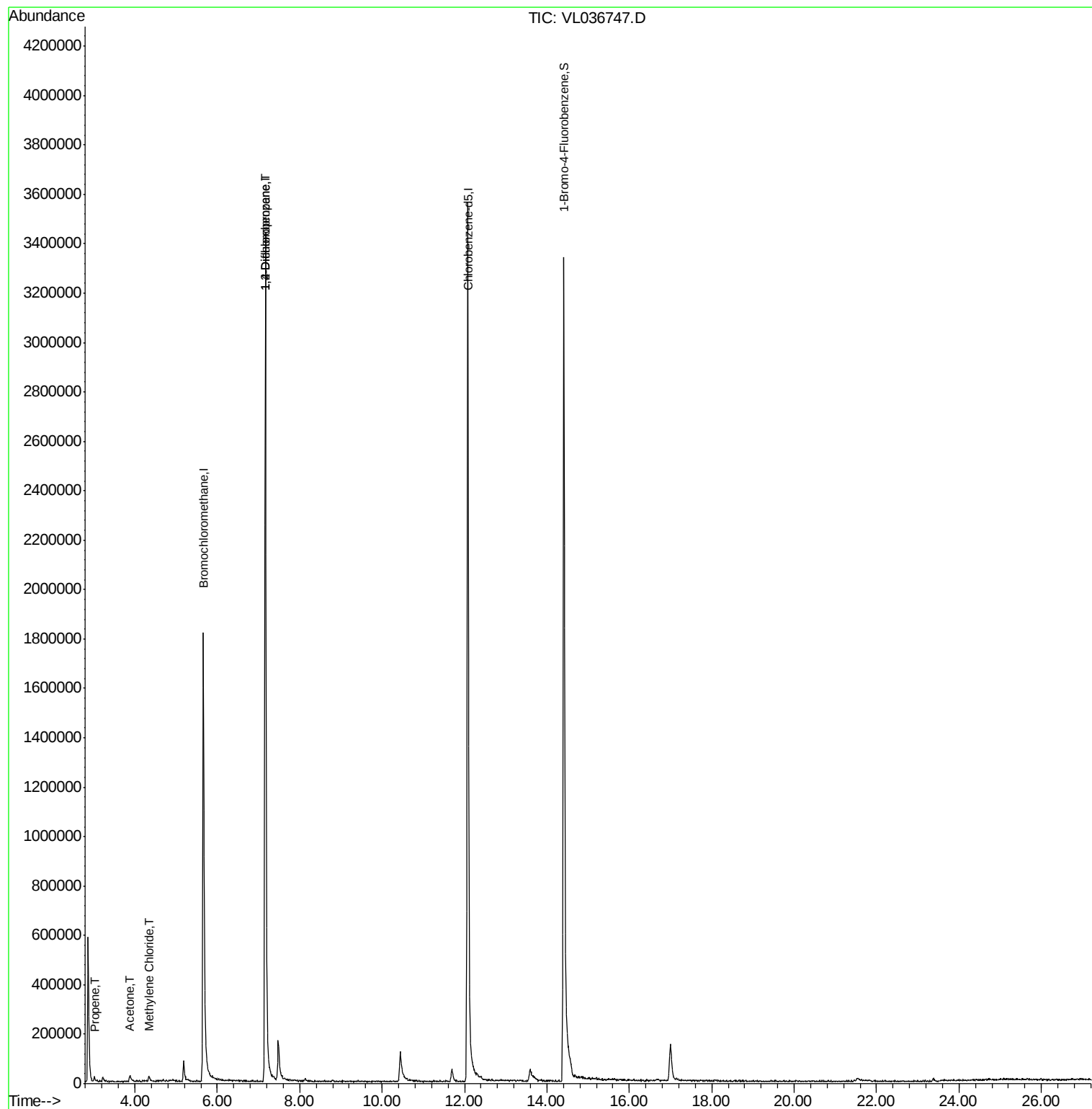
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2527	0.037	ppbv #	1
15) Acetone	3.87	43	19867	0.178	ppbv #	1
20) Methylene Chloride	4.33	84	2719	0.052	ppbv #	68
39) 1,2-Dichloropropane	7.16	63	738648	7.135	ppbv #	23

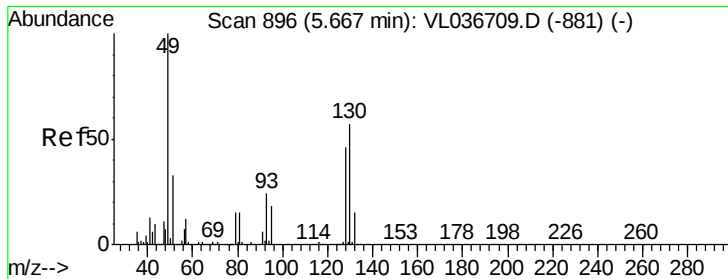
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036747.D

Acq: 8 Apr 2021 12:09

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MSVOA_L

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VL0408ABL01

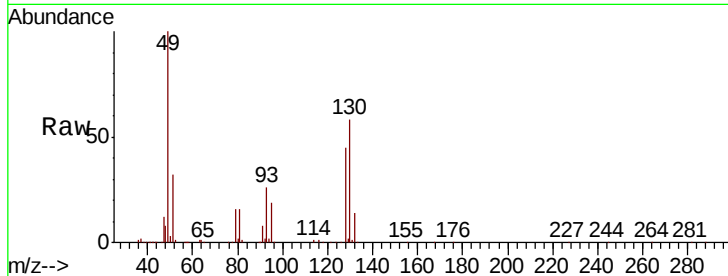
Tot Ion: 49 Resp: 1133648

Ion Ratio Lower Upper

49 100

128 49.1 23.5 70.6

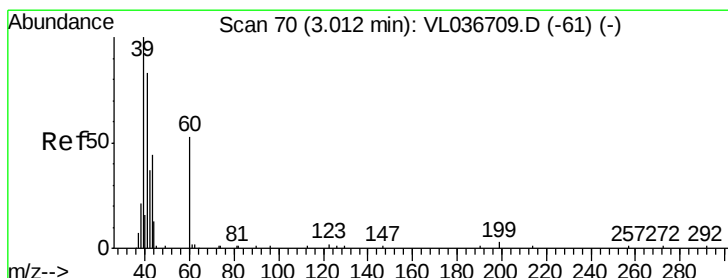
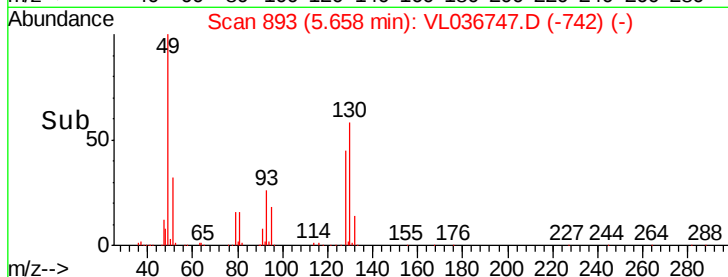
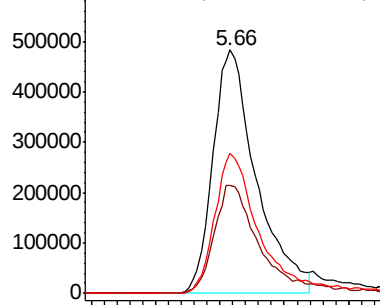
130 60.9 29.1 87.4



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



#9

Propene

Concen: 0.037 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036747.D

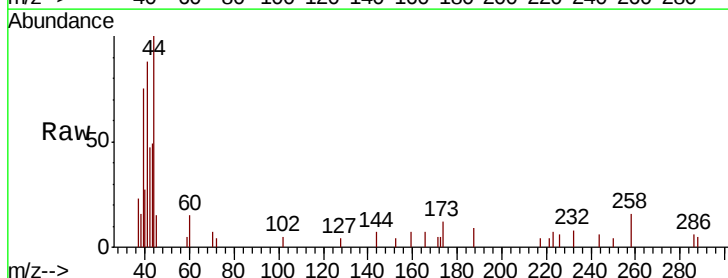
Acq: 8 Apr 2021 12:09

Tgt Ion: 41 Resp: 2527

Ion Ratio Lower Upper

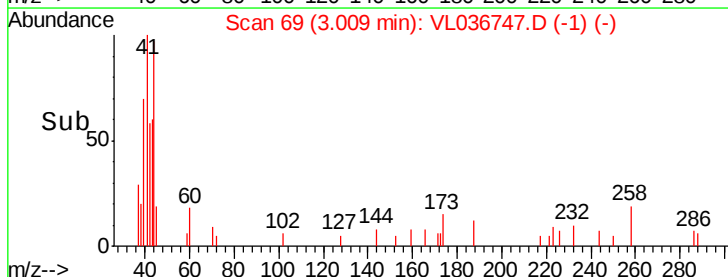
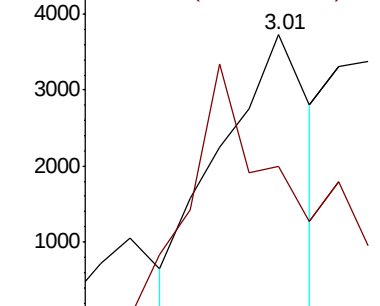
41 100

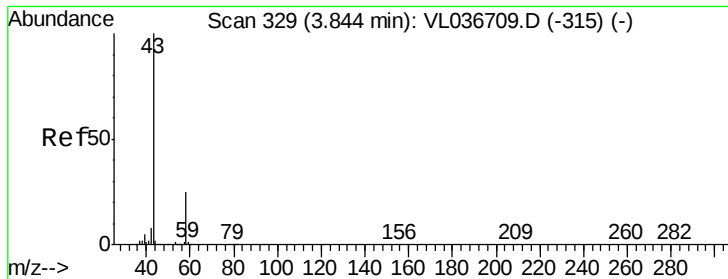
42 180.6 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.178 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL036747.D

Acq: 8 Apr 2021 12:09

Instrument :

MSVOA_L

ClientSampleId :

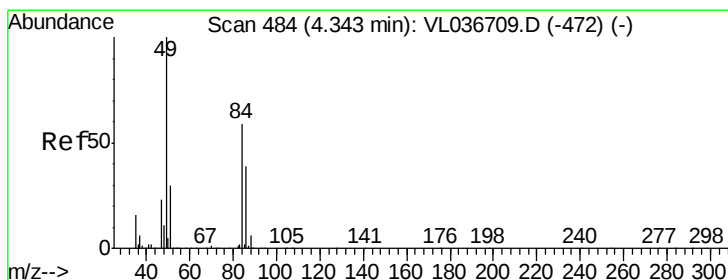
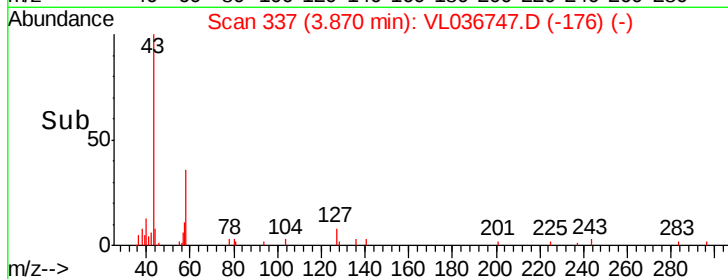
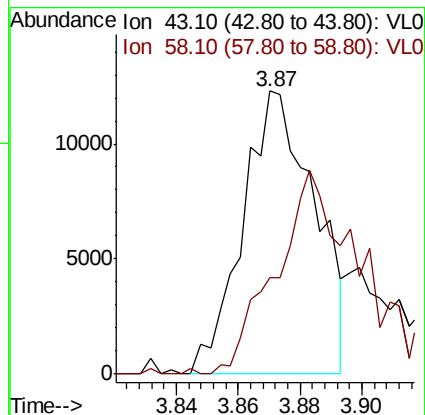
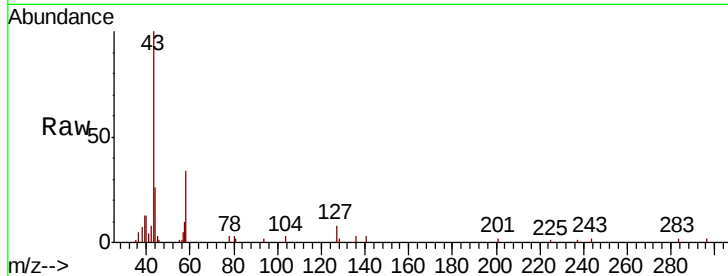
VL0408ABL01

Tot Ion: 43 Resp: 19867

Ion Ratio Lower Upper

43 100

58 101.0 21.2 31.8#



#20

Methylene Chloride

Concen: 0.052 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036747.D

Acq: 8 Apr 2021 12:09

Tgt Ion: 84 Resp: 2719

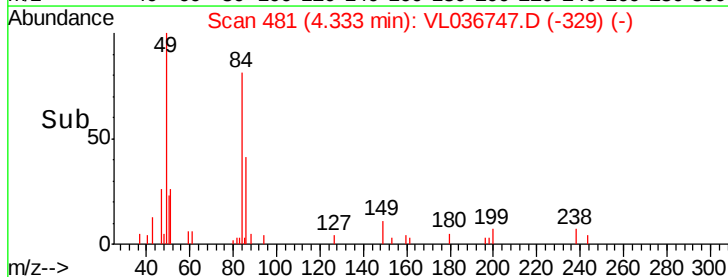
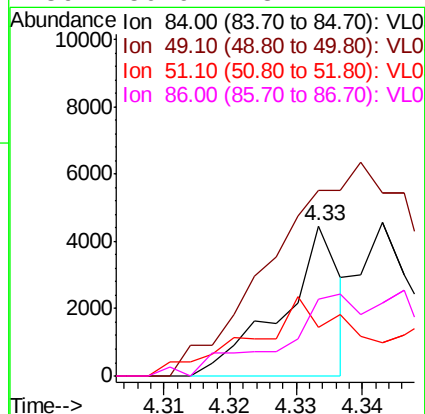
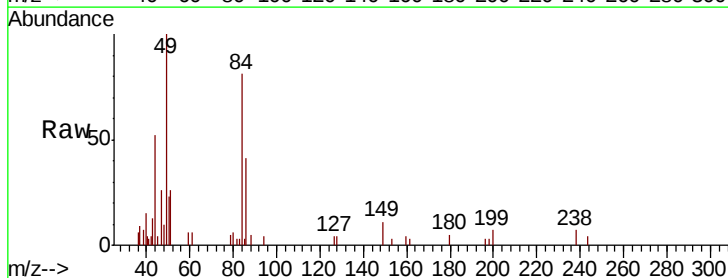
Ion Ratio Lower Upper

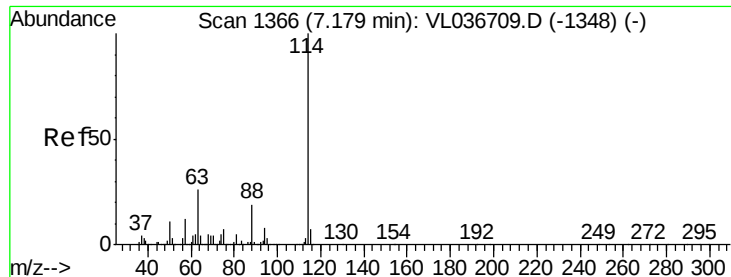
84 100

49 103.7 122.9 184.3#

51 23.3 36.9 55.3#

86 50.9 48.2 72.4



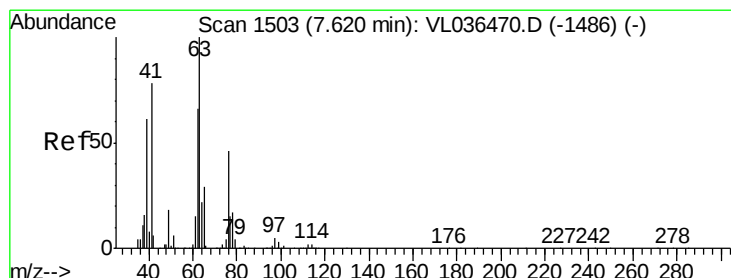
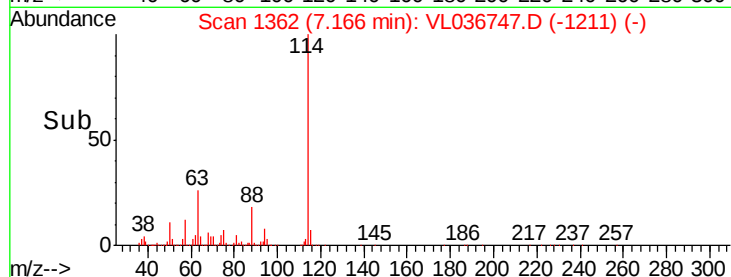
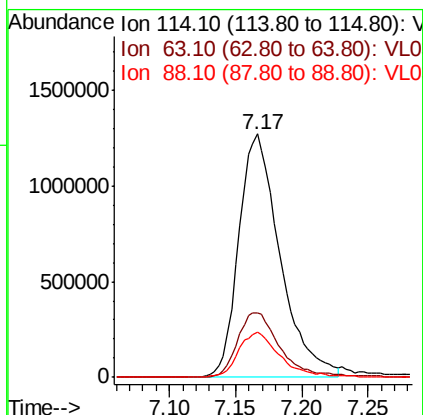
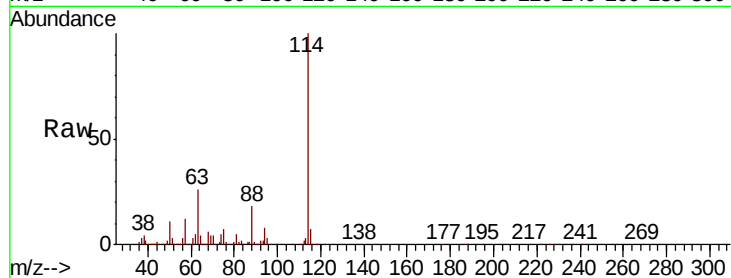


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036747.D
 Acq: 8 Apr 2021 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABL01

Tot Ion:114 Resp: 2767262

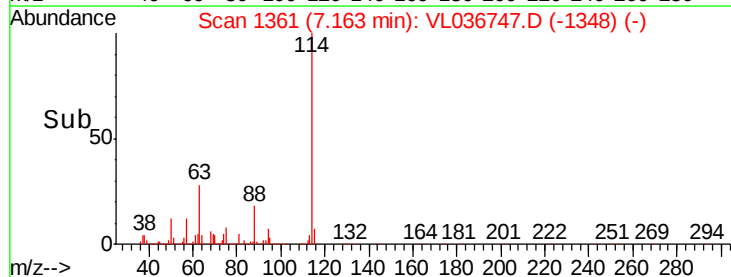
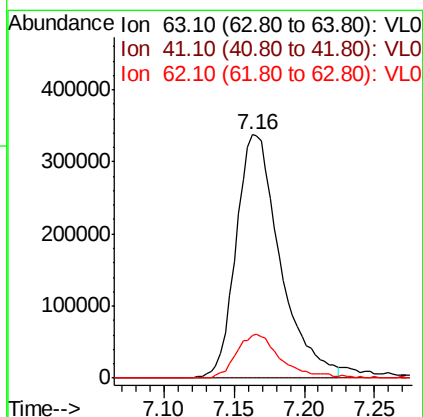
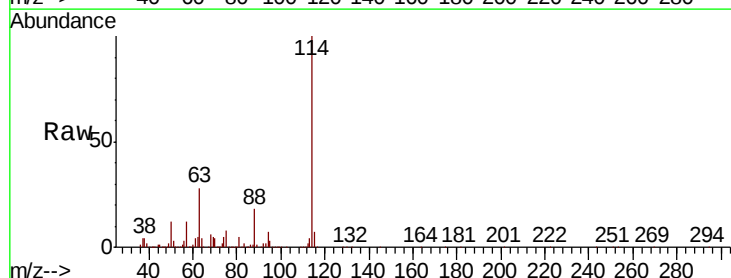
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.4	33.6
88	18.9	15.4	23.0

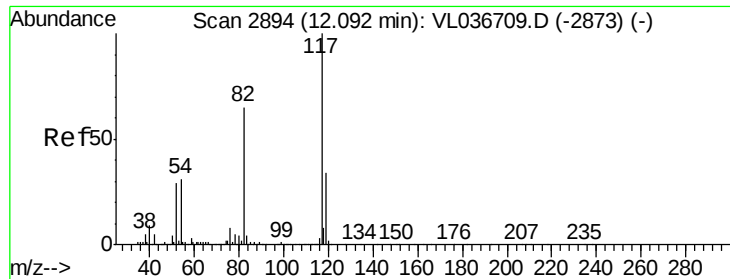


#39
 1,2-Dichloropropane
 Concen: 7.135 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL036747.D
 Acq: 8 Apr 2021 12:09

Tgt Ion: 63 Resp: 738648

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	17.4	52.8	79.2#

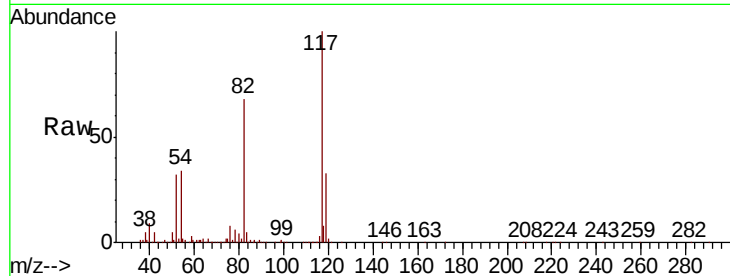




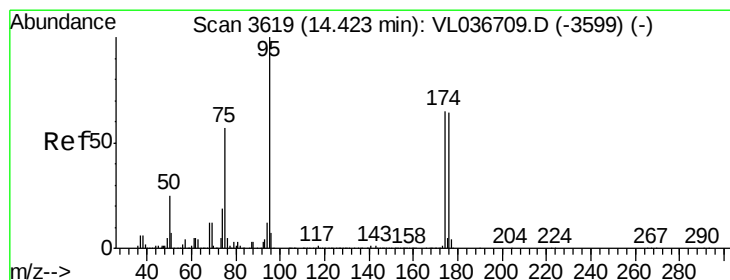
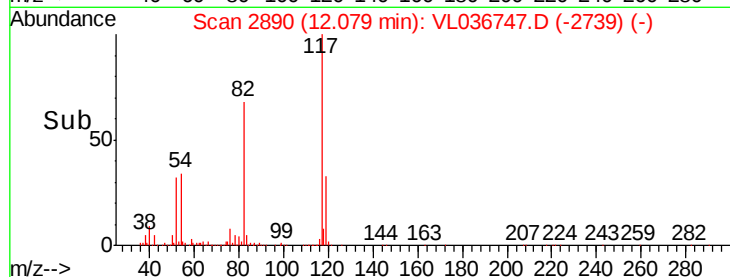
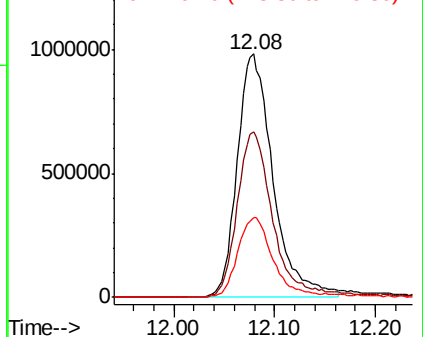
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036747.D
Acq: 8 Apr 2021 12:09

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

Tot Ion:117 Resp: 2417828
Ion Ratio Lower Upper
117 100
82 69.2 57.4 86.0
119 33.8 47.4 71.0#

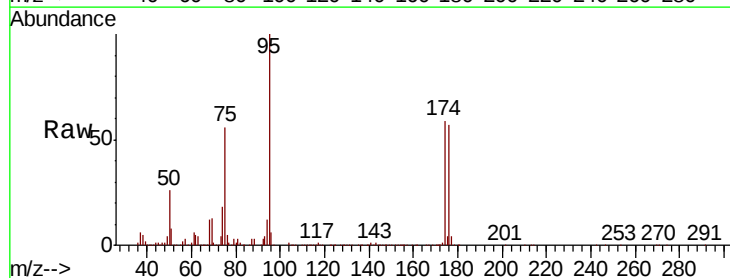


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.555 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.01 min
Lab File: VL036747.D
Acq: 8 Apr 2021 12:09

Tgt Ion: 95 Resp: 1841201
Ion Ratio Lower Upper
95 100
174 67.0 51.0 76.6
175 4.7 3.9 5.9



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

