

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036761.D
 Acq On : 8 Apr 2021 21:52
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 09 08:41:44 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	1263954	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3068449	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2453192	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1458206	7.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	74.60%

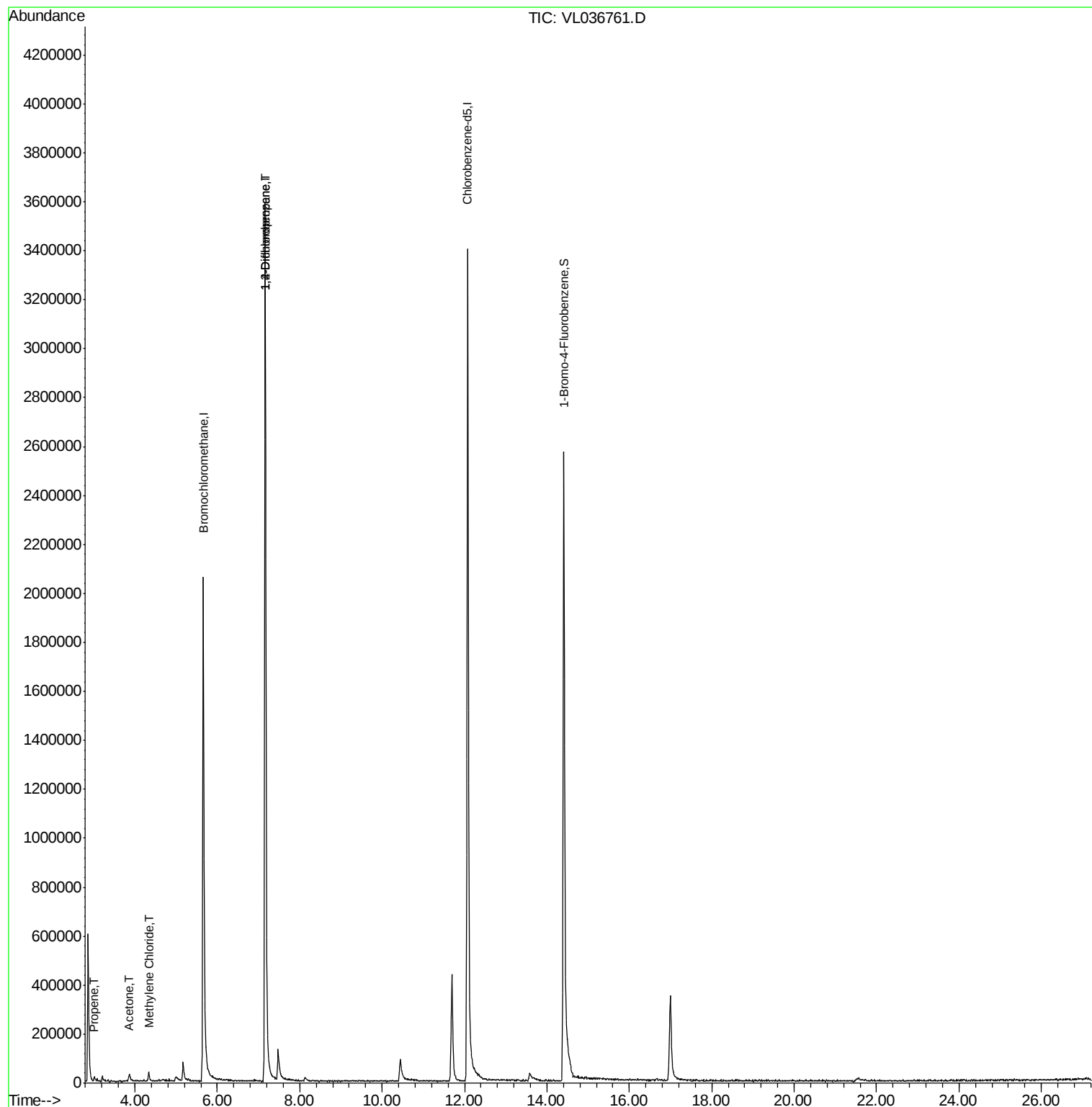
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	5816	0.077	ppbv	88
15) Acetone	3.85	43	11997	0.096	ppbv #	48
20) Methylene Chloride	4.33	84	8599	0.148	ppbv	89
39) 1,2-Dichloropropane	7.16	63	797457	6.947	ppbv #	24

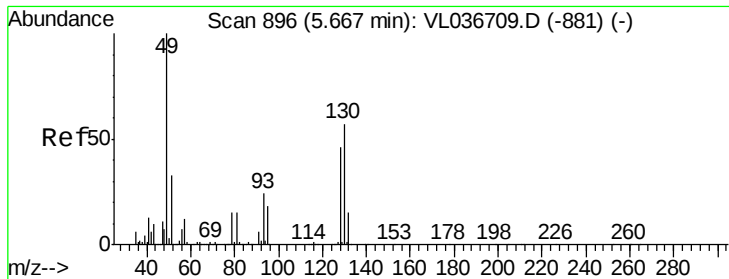
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036761.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

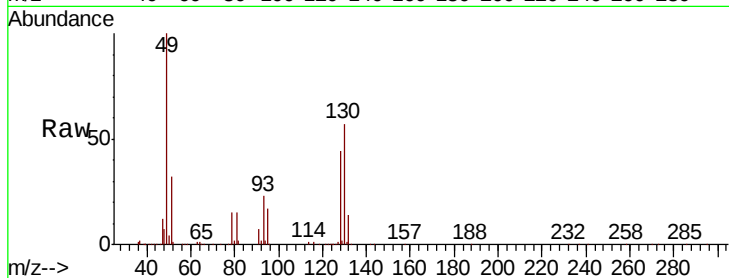
Tot Ion: 49 Resp: 1263954

Ion Ratio Lower Upper

49 100

128 47.9 23.5 70.6

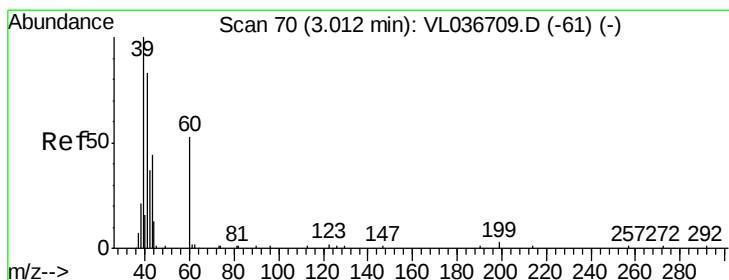
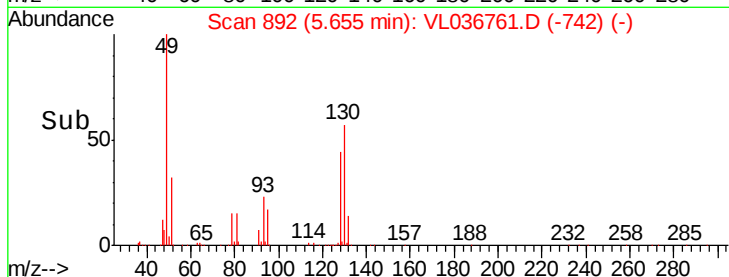
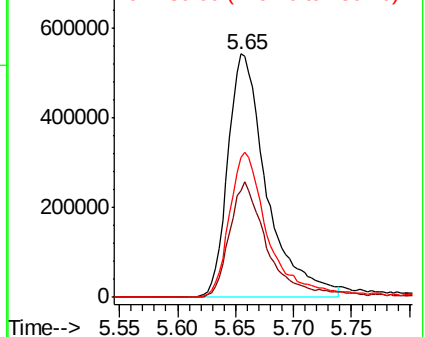
130 61.6 29.1 87.4



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: 0.077 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036761.D

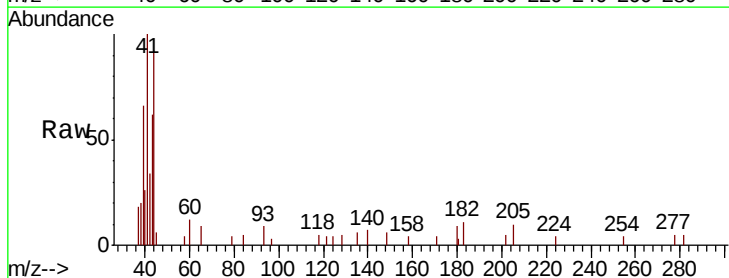
Acq: 8 Apr 2021 21:52

Tgt Ion: 41 Resp: 5816

Ion Ratio Lower Upper

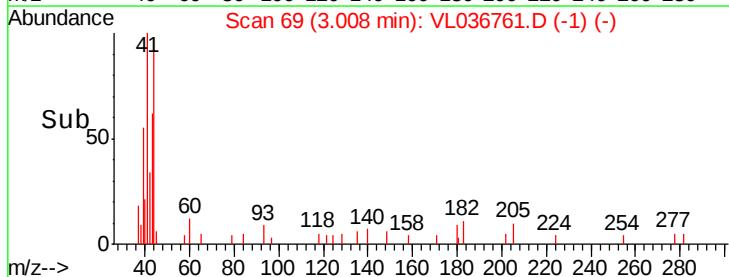
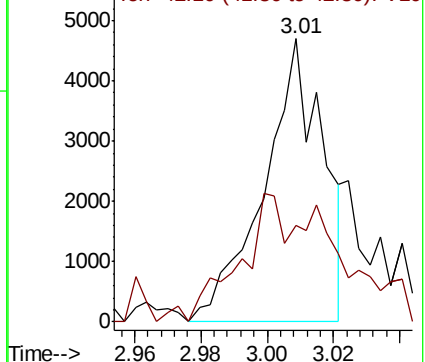
41 100

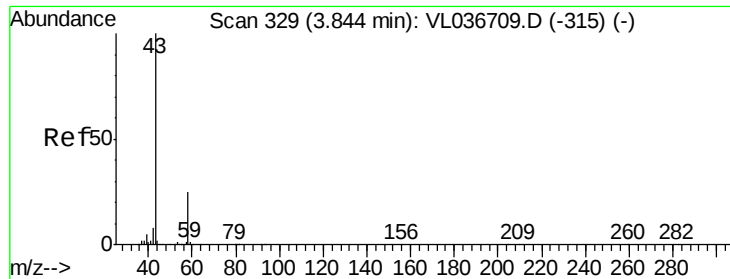
42 80.9 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.096 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036761.D

Acq: 8 Apr 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

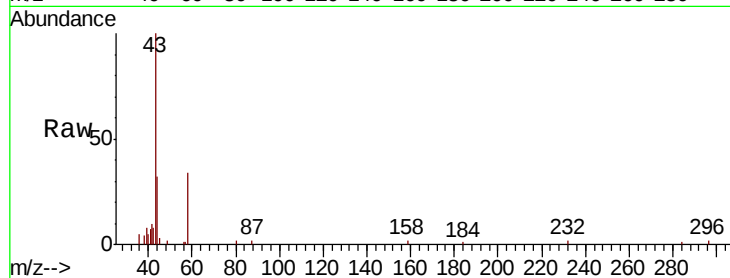
VIBLK

Tot Ion: 43 Resp: 11997

Ion Ratio Lower Upper

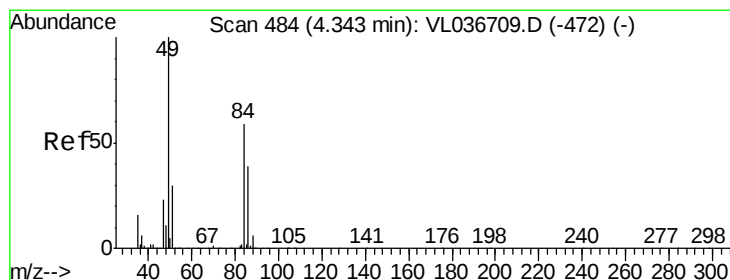
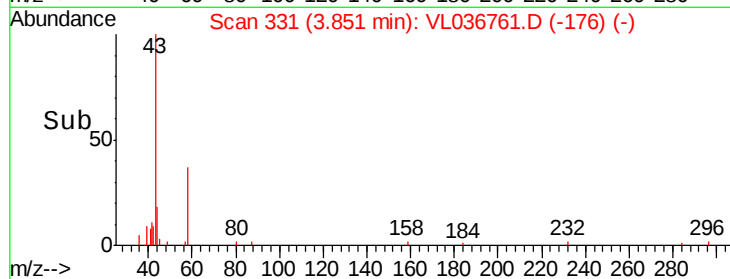
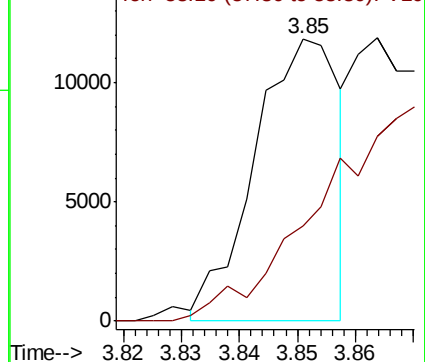
43 100

58 0.0 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.148 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036761.D

Acq: 8 Apr 2021 21:52

Tgt Ion: 84 Resp: 8599

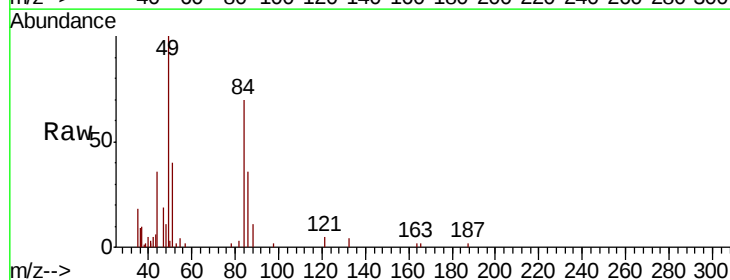
Ion Ratio Lower Upper

84 100

49 140.4 122.9 184.3

51 54.4 36.9 55.3

86 52.3 48.2 72.4

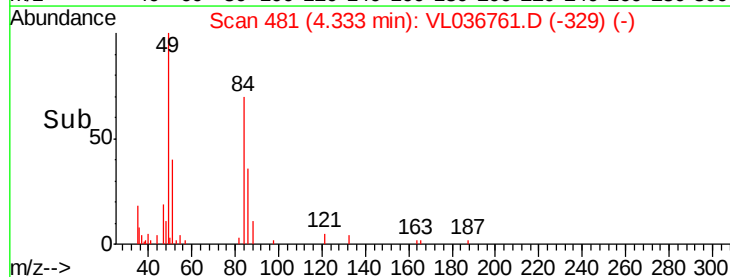
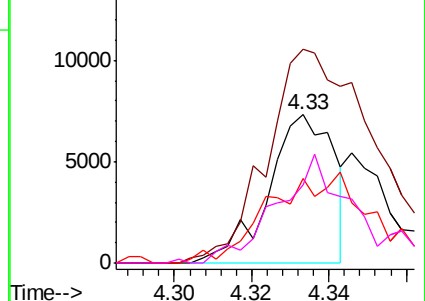


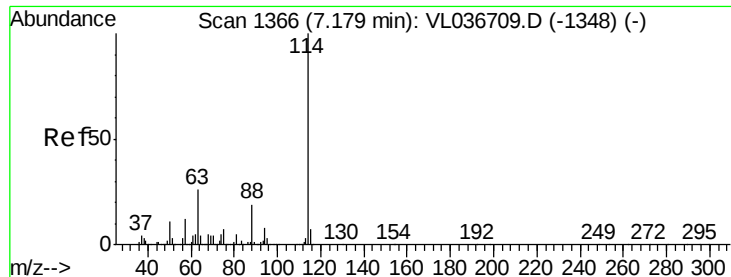
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

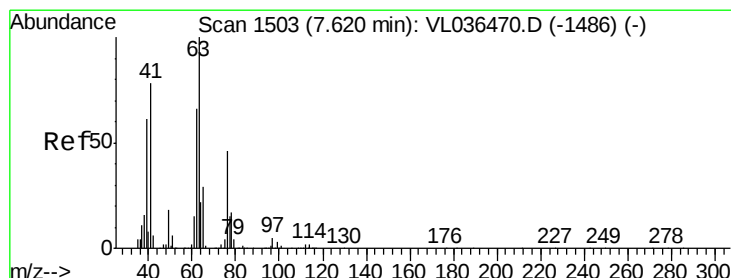
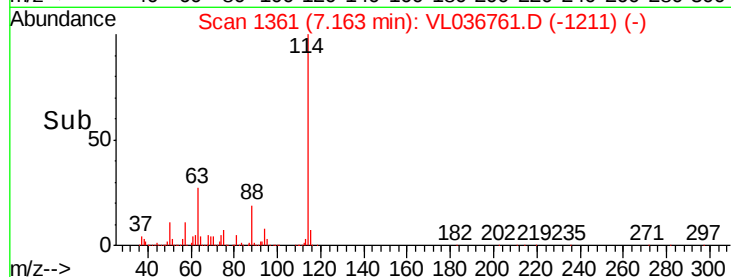
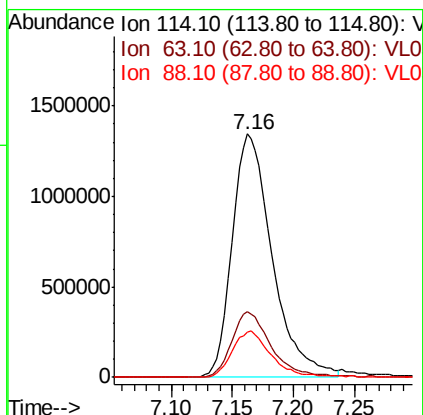
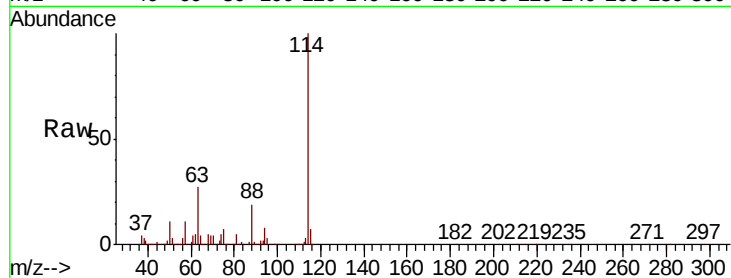




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036761.D
 Acq: 8 Apr 2021 21:52

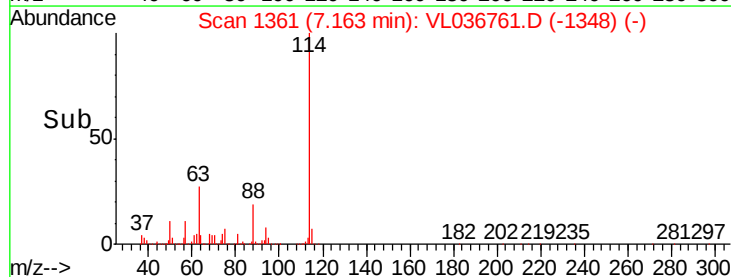
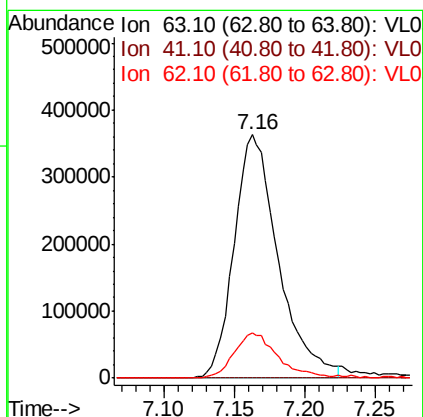
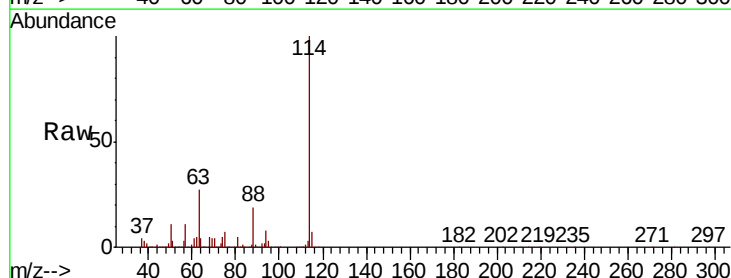
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

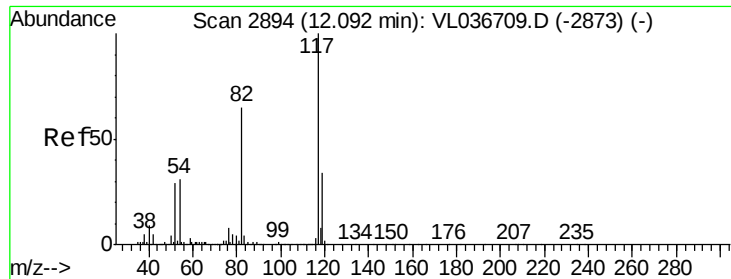
Tot Ion:114 Resp: 3068449
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 19.0 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 6.947 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL036761.D
 Acq: 8 Apr 2021 21:52

Tgt Ion: 63 Resp: 797457
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 18.6 52.8 79.2#

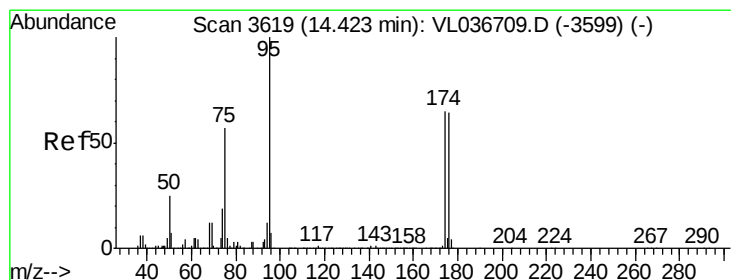
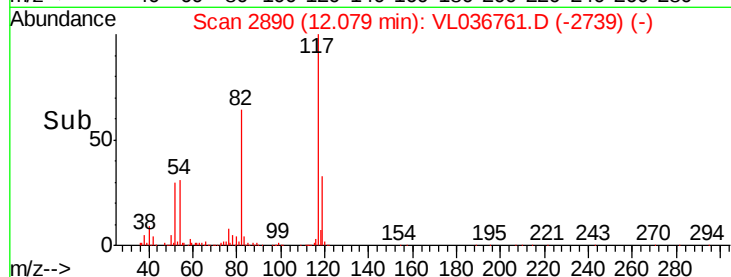
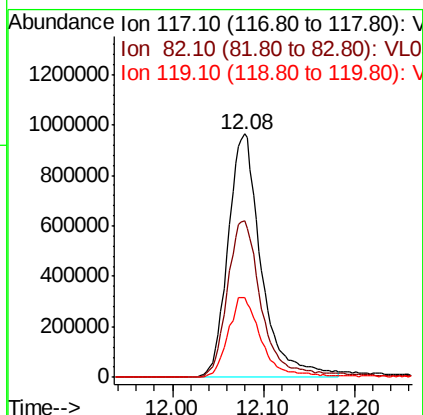
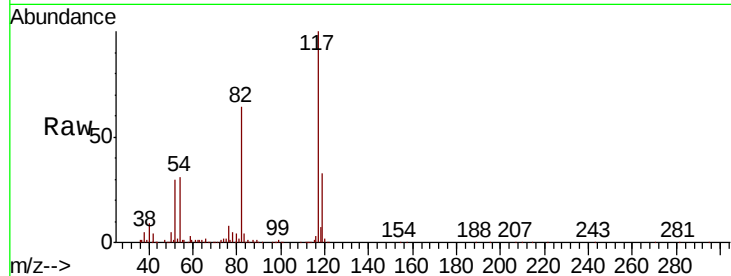




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036761.D
Acq: 8 Apr 2021 21:52

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 2453192
Ion Ratio Lower Upper
117 100
82 67.3 57.4 86.0
119 33.8 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 7.458 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL036761.D
Acq: 8 Apr 2021 21:52

Tgt Ion: 95 Resp: 1458206
Ion Ratio Lower Upper
95 100
174 70.5 51.0 76.6
175 4.9 3.9 5.9

