

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037438.D
 Acq On : 13 Aug 2021 7:32
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Aug 13 08:16:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1180017	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3605712	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3100705	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2228190	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

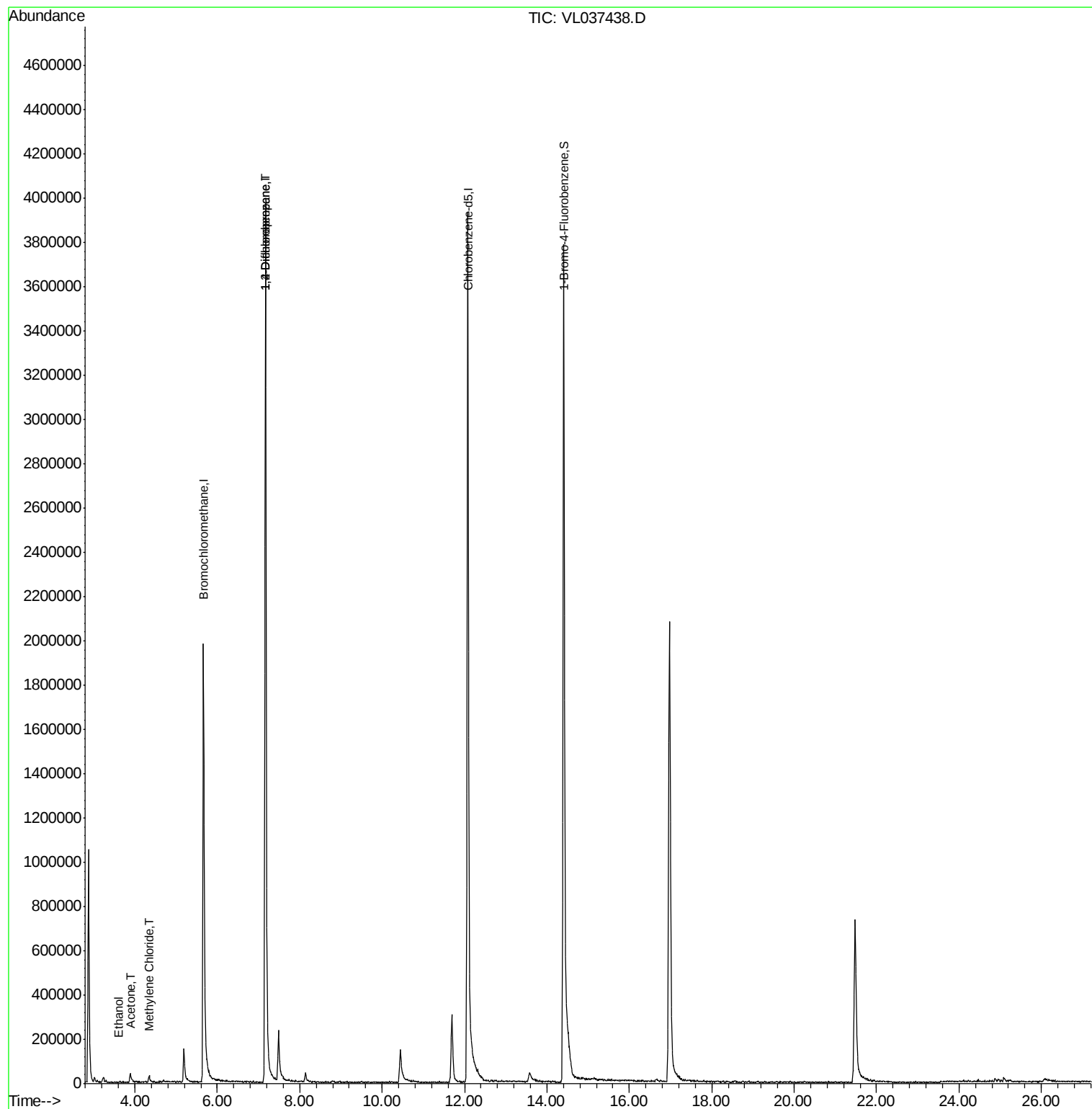
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	342	0.041	ppbv #	31
15) Acetone	3.88	43	14830	0.119	ppbv #	44
20) Methylene Chloride	4.33	84	3410	0.052	ppbv #	85
39) 1,2-Dichloropropane	7.17	63	859420	7.420	ppbv #	27

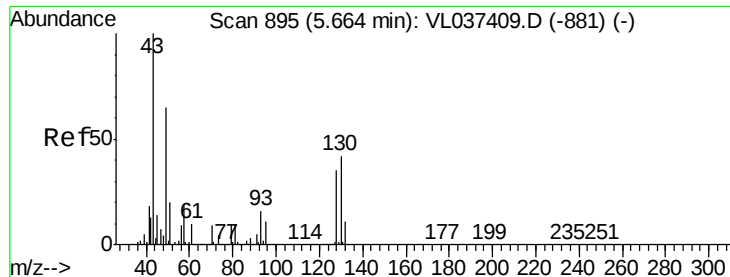
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037438.D

Acq: 13 Aug 2021 7:32

Instrument :

MSVOA_L

ClientSampled :

VIBLK

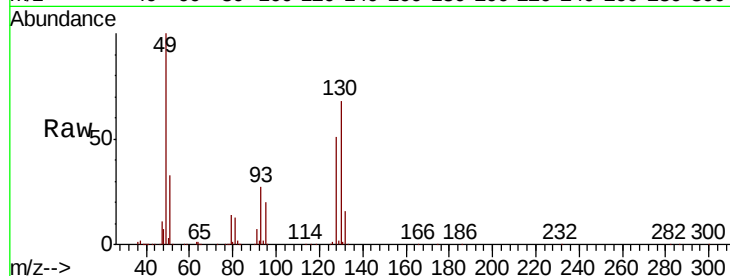
Tot Ion: 49 Resp: 1180017

Ion Ratio Lower Upper

49 100

128 57.8 27.9 83.6

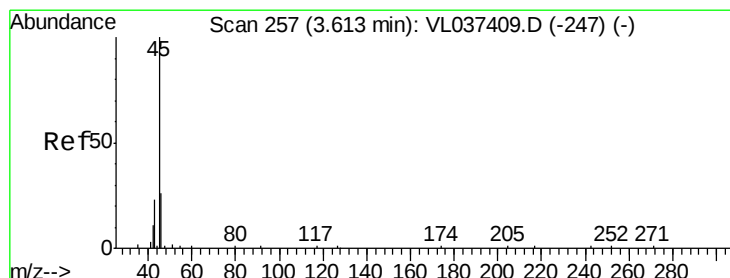
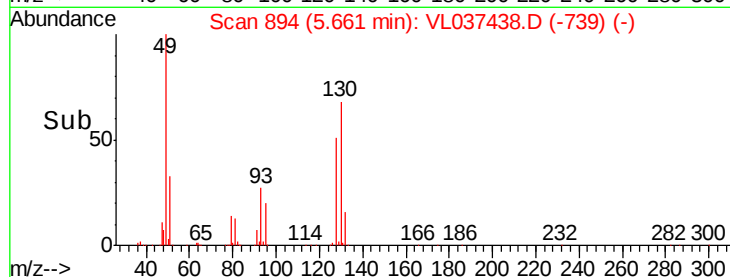
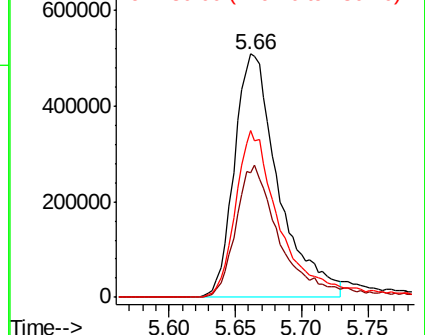
130 72.0 34.6 103.8



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



#13

Ethanol

Concen: 0.041 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.00 min

Lab File: VL037438.D

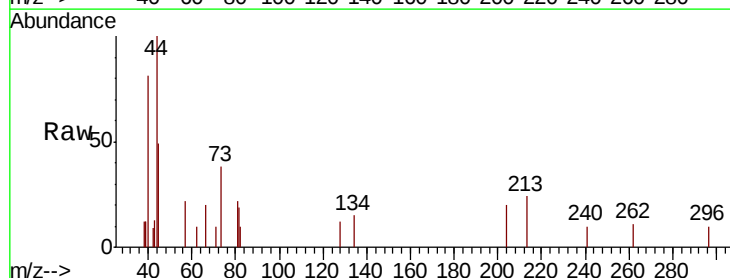
Acq: 13 Aug 2021 7:32

Tgt Ion: 45 Resp: 342

Ion Ratio Lower Upper

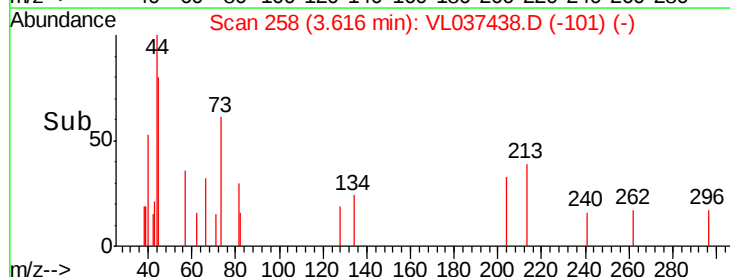
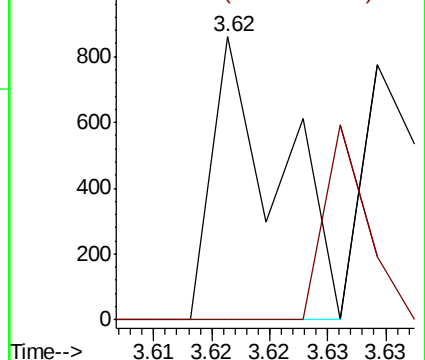
45 100

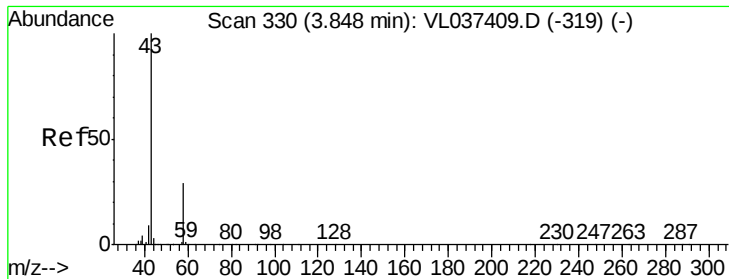
46 0.0 18.0 72.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.119 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.03 min

Lab File: VL037438.D

Acq: 13 Aug 2021 7:32

Instrument :

MSVOA_L

ClientSampleId :

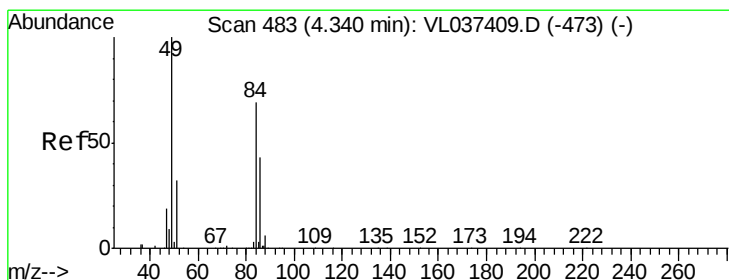
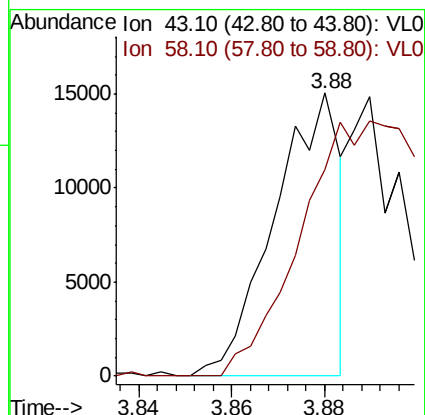
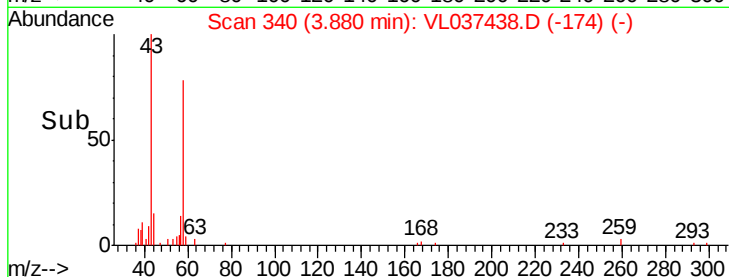
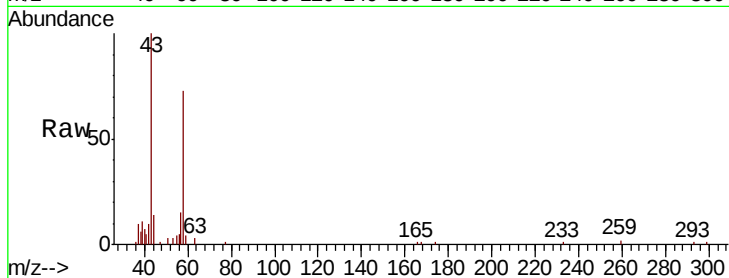
VIBLK

Tot Ion: 43 Resp: 14830

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#20

Methylene Chloride

Concen: 0.052 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL037438.D

Acq: 13 Aug 2021 7:32

Tgt Ion: 84 Resp: 3410

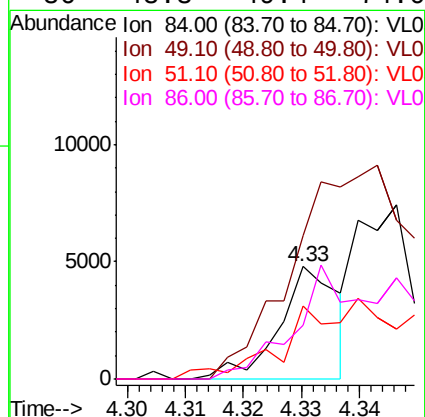
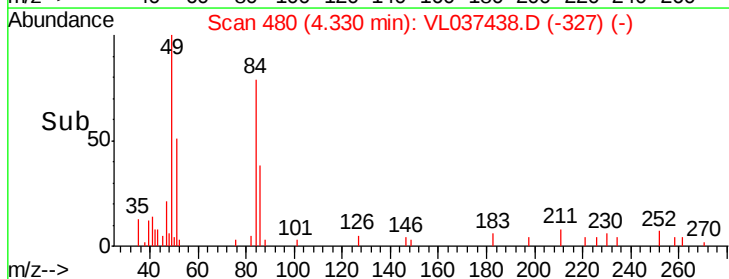
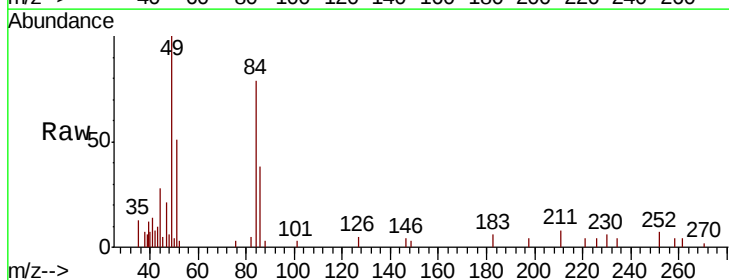
Ion Ratio Lower Upper

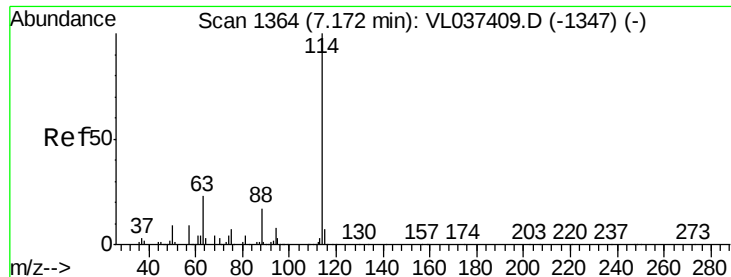
84 100

49 127.0 116.0 174.0

51 57.0 37.1 55.7#

86 48.3 49.4 74.0#

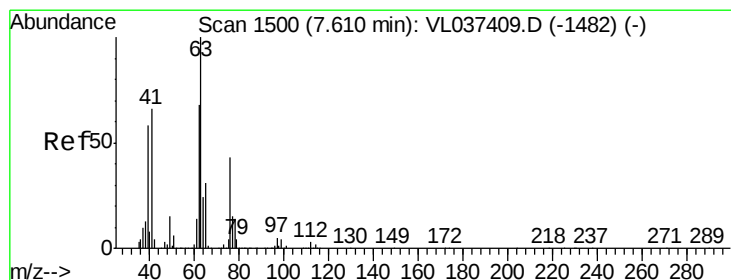
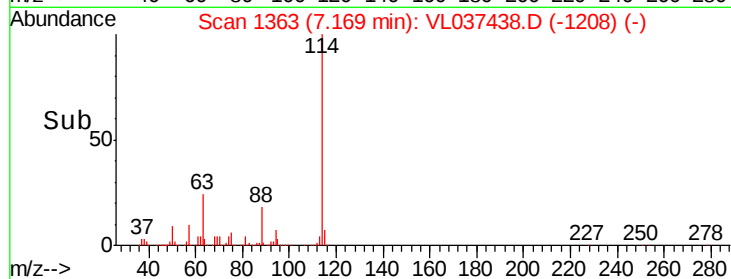
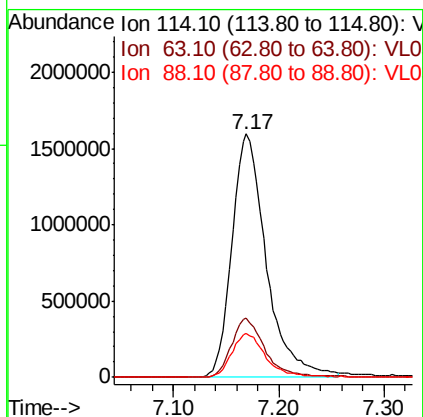
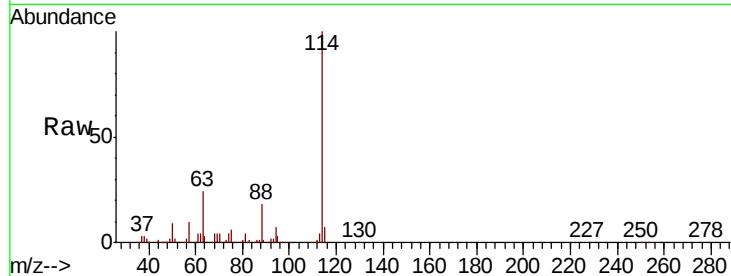




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL037438.D
 Acq: 13 Aug 2021 7:32

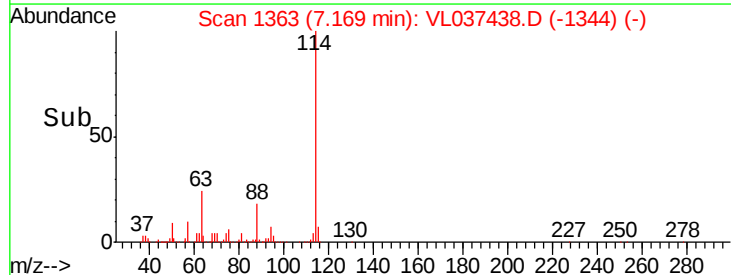
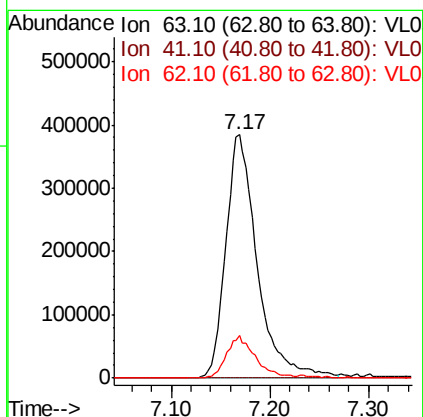
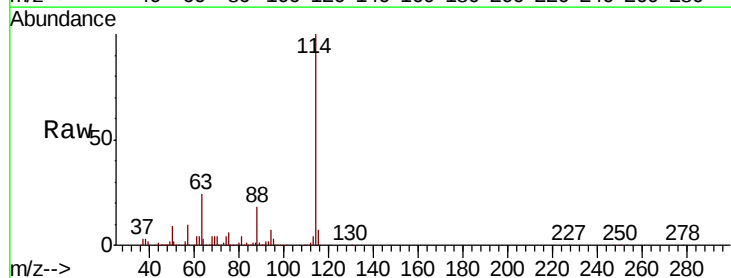
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

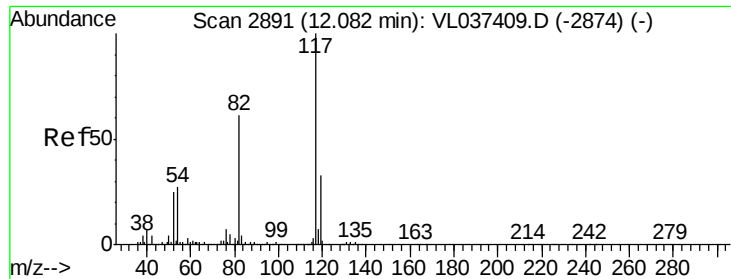
Tot Ion:114 Resp: 3605712
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.4 29.2
 88 18.2 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.420 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL037438.D
 Acq: 13 Aug 2021 7:32

Tgt Ion: 63 Resp: 859420
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.0 79.6#
 62 17.7 54.5 81.7#

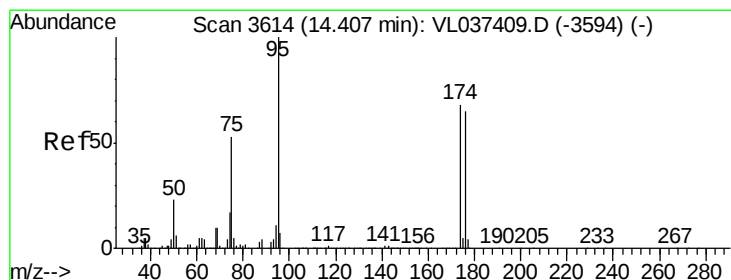
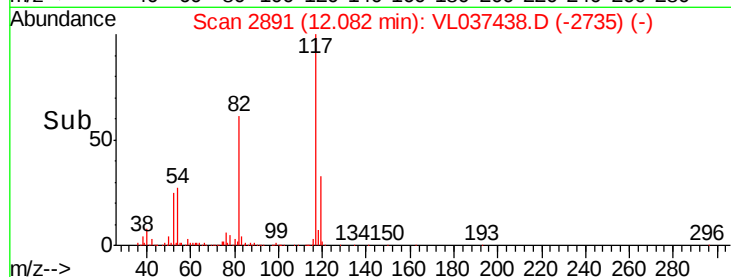
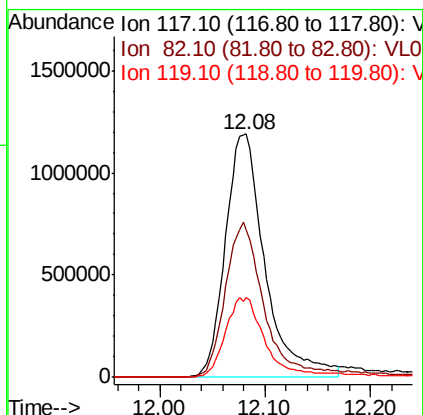
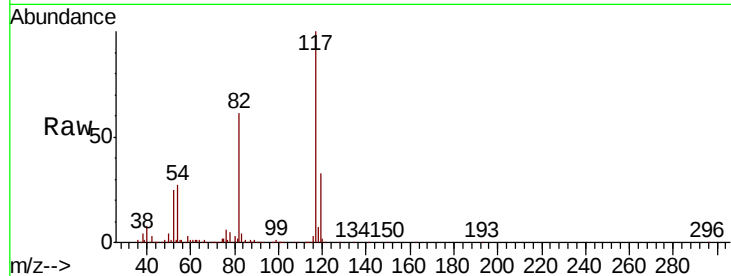




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037438.D
Acq: 13 Aug 2021 7:32

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 3100705
Ion Ratio Lower Upper
117 100
82 66.2 53.1 79.7
119 35.2 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.018 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.00 min
Lab File: VL037438.D
Acq: 13 Aug 2021 7:32

Tgt Ion: 95 Resp: 2228190
Ion Ratio Lower Upper
95 100
174 75.6 59.6 89.4
175 5.4 4.3 6.5

