

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035651.D
 Acq On : 17 Sep 2020 6:07
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 17 07:12:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1249989	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5125599	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5050410	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3689823	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

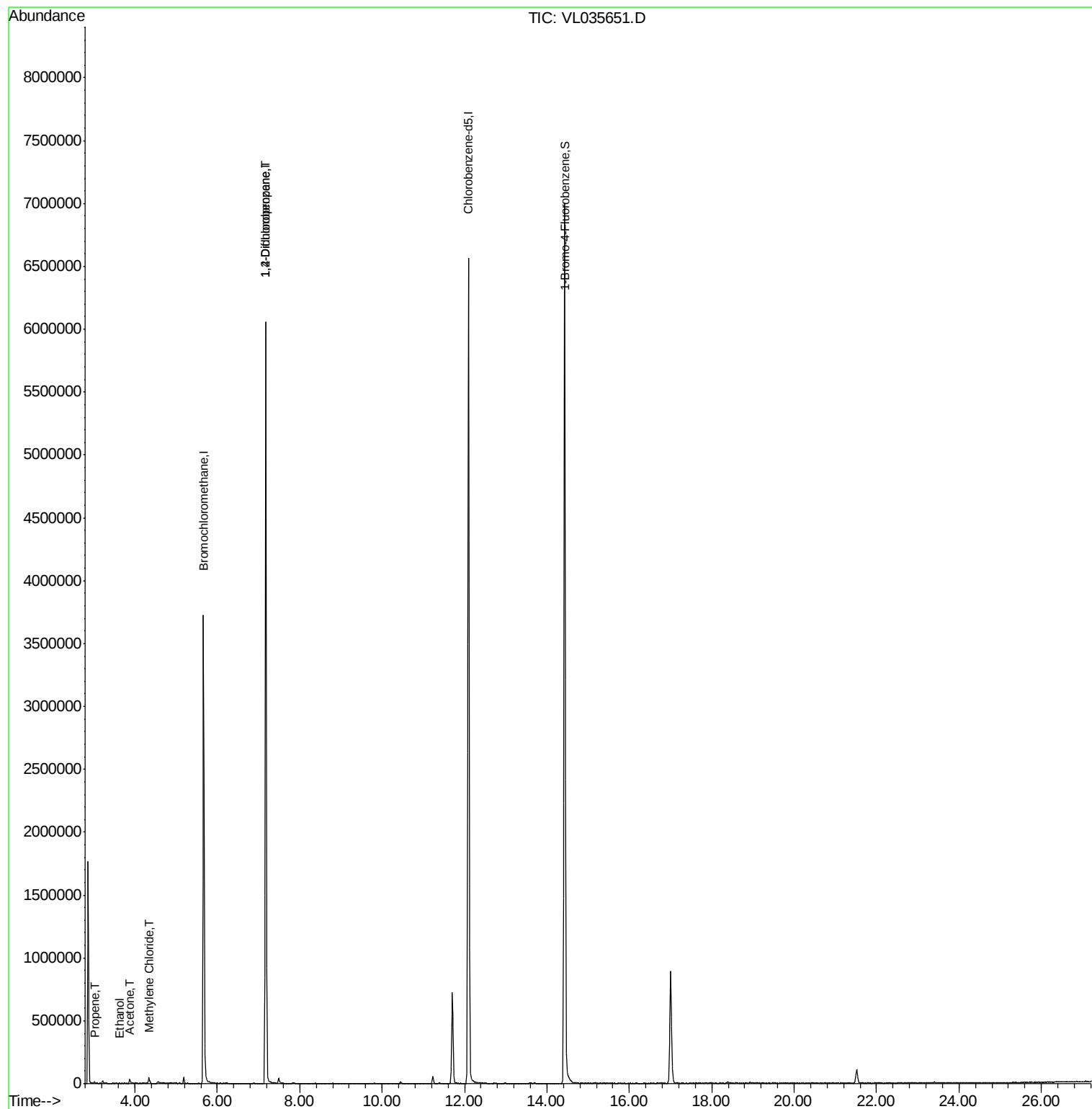
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2509	0.047	ppbv #	81
13) Ethanol	3.62	45	474	0.036	ppbv	87
15) Acetone	3.87	43	24853	0.180	ppbv #	27
20) Methylene Chloride	4.34	84	19648	0.191	ppbv	96
39) 1,2-Dichloropropane	7.18	63	968815	8.644	ppbv #	32

(#) = 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

Lab File: VL035651.D

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MSVOA_L

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VIBLK

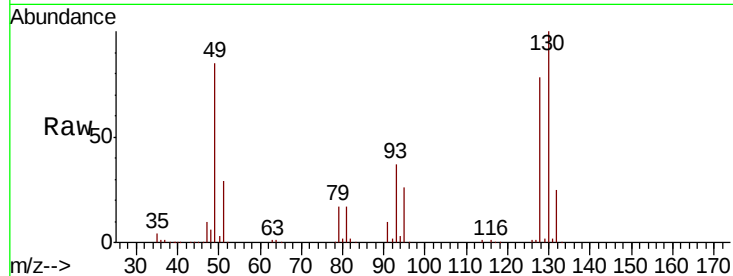
Tot Ion: 49 Resp: 1249989

Ion Ratio Lower Upper

49 100

128 92.5 50.0 150.1

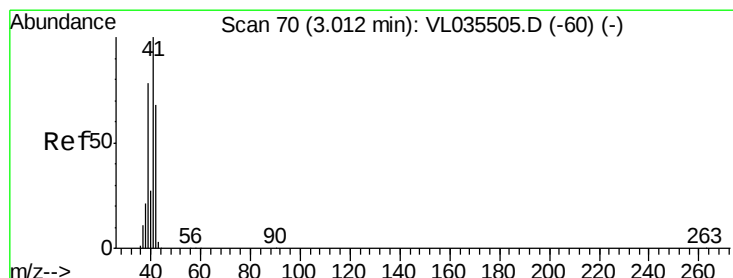
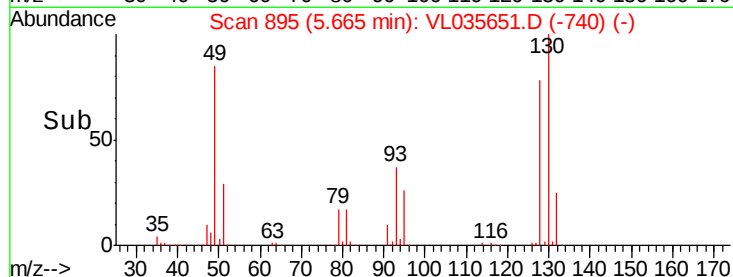
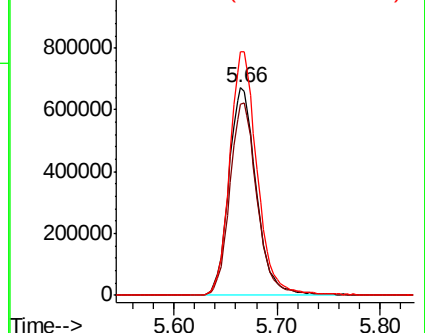
130 117.6 64.4 193.2



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: 0.047 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035651.D

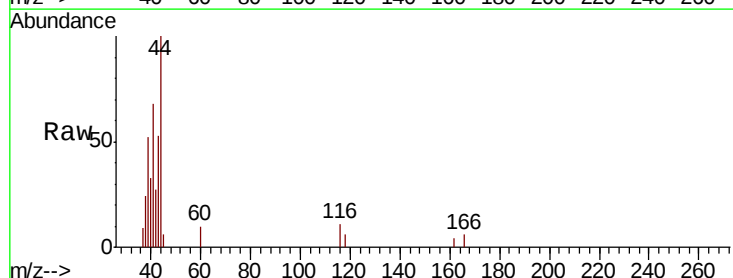
Acq: 17 Sep 2020 6:07

Tgt Ion: 41 Resp: 2509

Ion Ratio Lower Upper

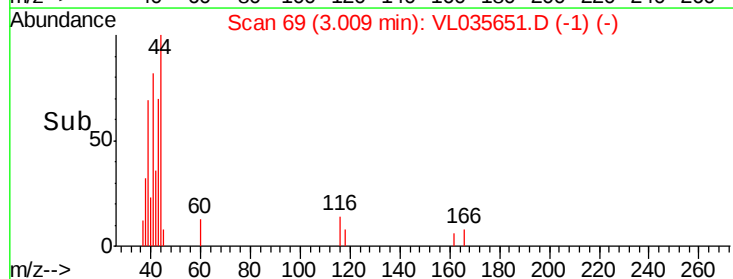
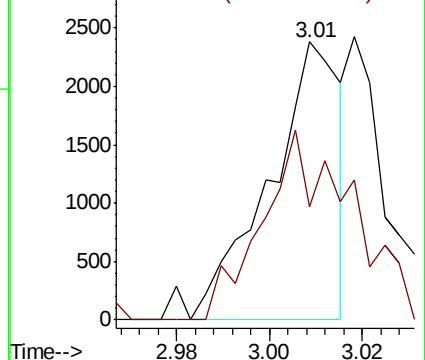
41 100

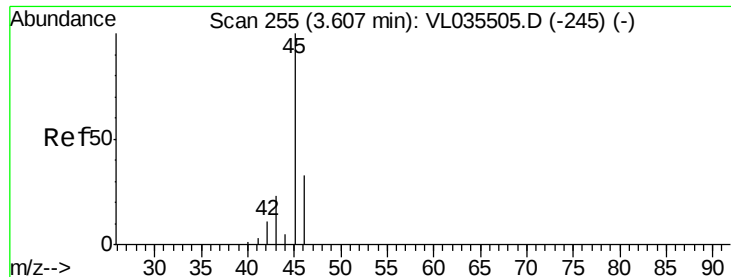
42 86.1 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.036 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL035651.D

Acq: 17 Sep 2020 6:07

Instrument :

MSVOA_L

ClientSampleId :

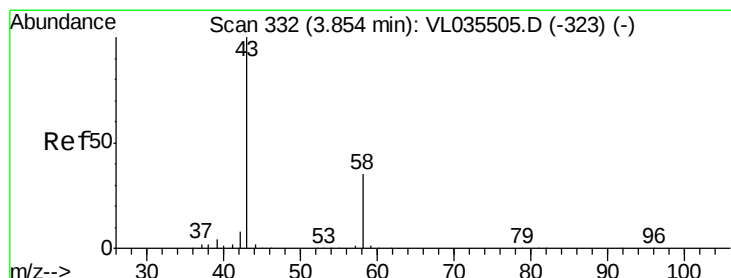
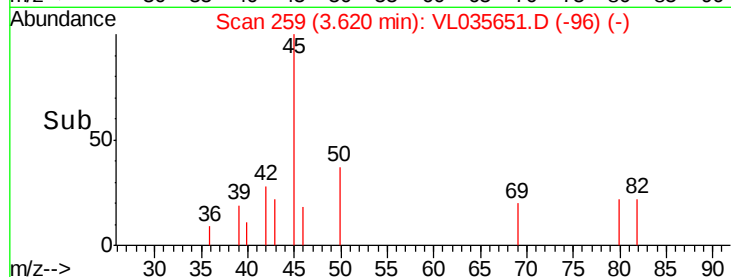
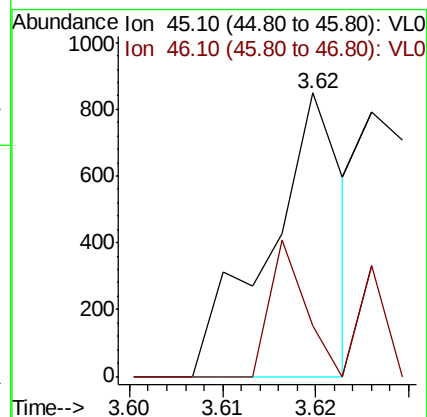
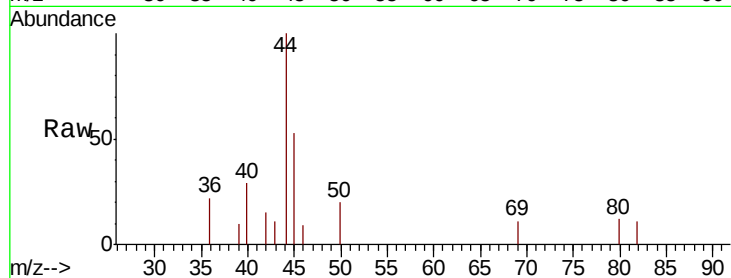
VIBLK

Tot Ion: 45 Resp: 474

Ion Ratio Lower Upper

45 100

46 45.8 15.2 60.6



#15

Acetone

Concen: 0.180 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL035651.D

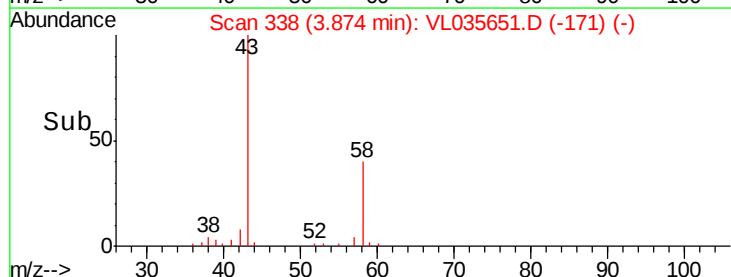
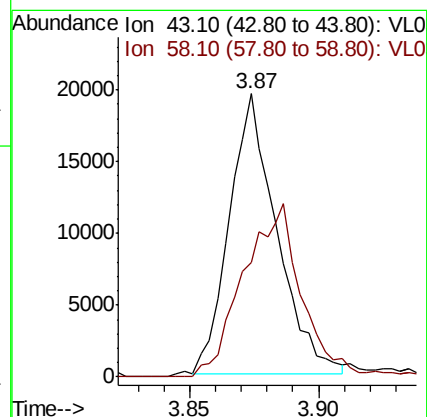
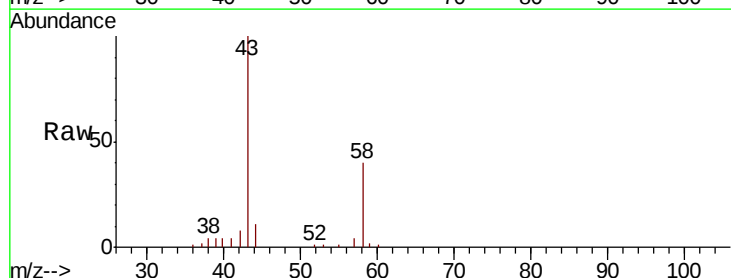
Acq: 17 Sep 2020 6:07

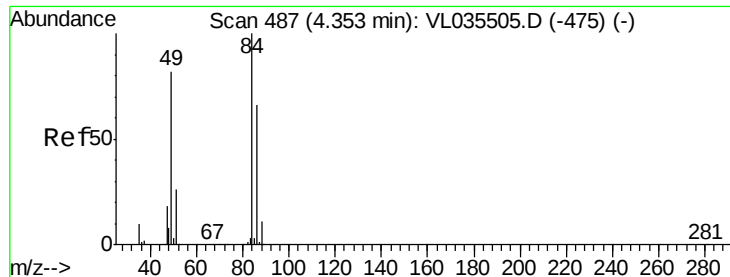
Tgt Ion: 43 Resp: 24853

Ion Ratio Lower Upper

43 100

58 77.9 28.4 42.6#

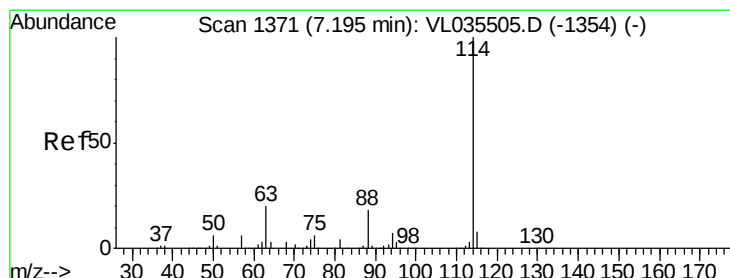
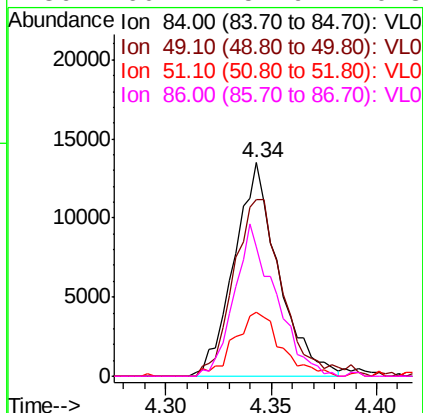
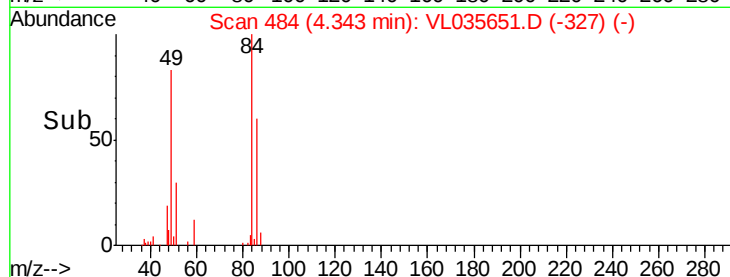
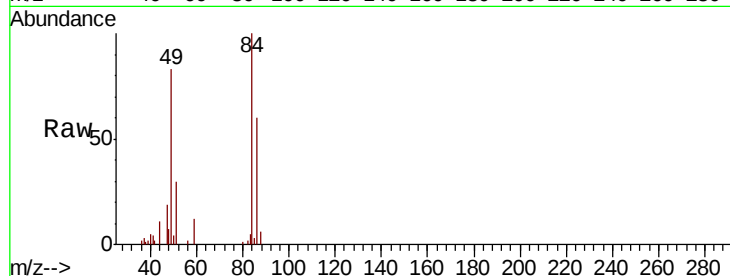




#20
Methylene Chloride
Concen: 0.191 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL035651.D
Acq: 17 Sep 2020 6:07

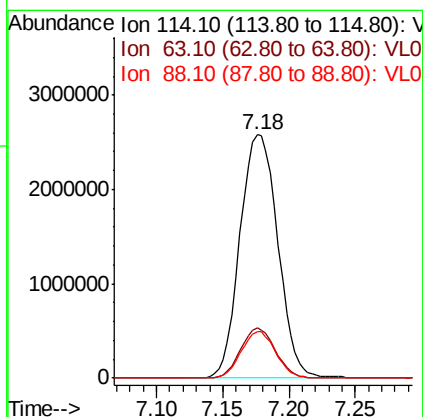
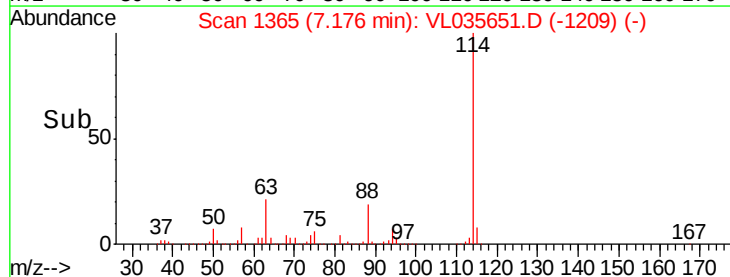
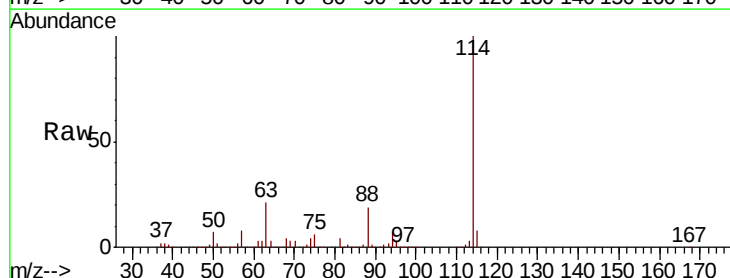
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

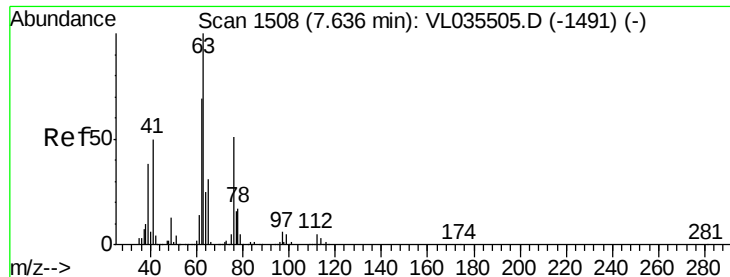
Tot Ion:	84	Resp:	19648
Ion	Ratio	Lower	Upper
84	100		
49	82.6	65.4	98.0
51	30.1	21.5	32.3
86	60.4	52.9	79.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL035651.D
Acq: 17 Sep 2020 6:07

Tgt Ion:	114	Resp:	5125599
Ion	Ratio	Lower	Upper
114	100		
63	19.0	14.7	22.1
88	17.6	13.4	20.2





#39

1,2-Dichloropropane

Concen: 8.644 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL035651.D

Acq: 17 Sep 2020 6:07

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

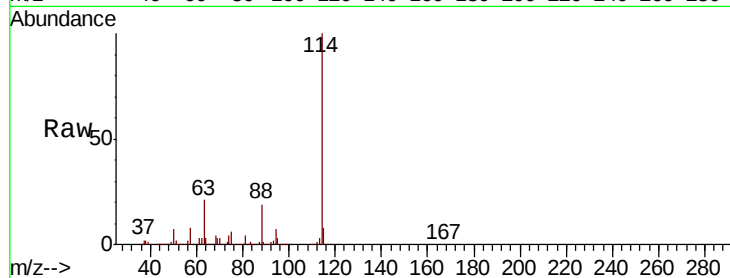
Tot Ion: 63 Resp: 968815

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

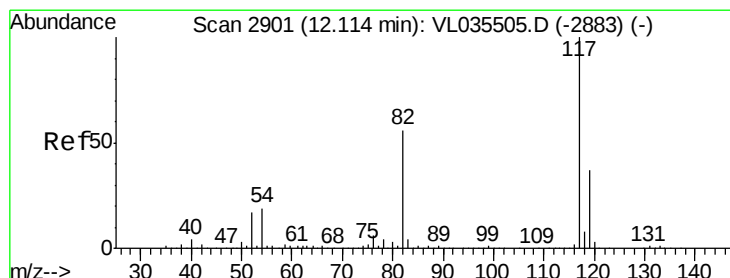
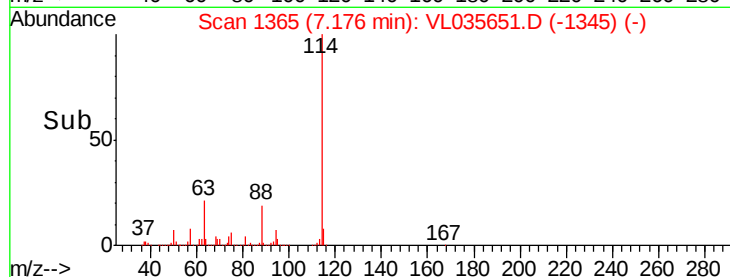
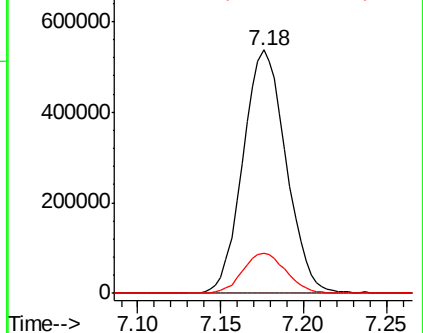
62 16.6 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL035651.D

Acq: 17 Sep 2020 6:07

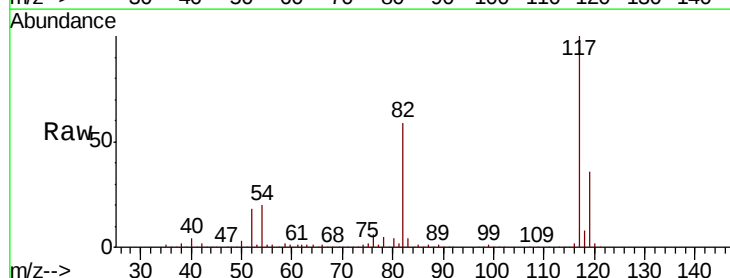
Tgt Ion: 117 Resp: 5050410

Ion Ratio Lower Upper

117 100

82 56.6 41.6 62.4

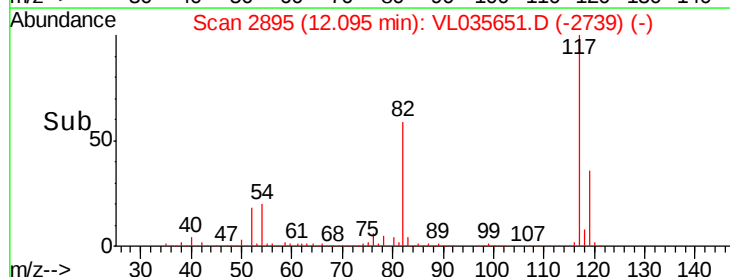
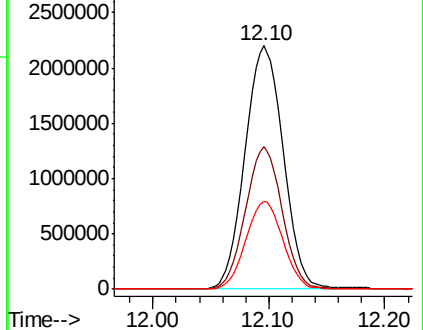
119 35.2 29.3 43.9

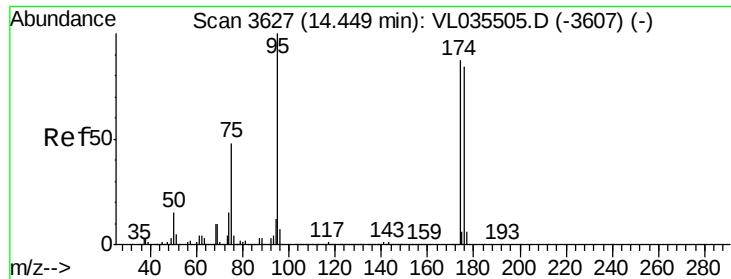


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.288 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL035651.D
 Acq: 17 Sep 2020 6:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion: 95 Resp: 3689823
 Ion Ratio Lower Upper
 95 100
 174 78.2 69.6 104.4
 175 5.6 5.1 7.7

