

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035611.D
 Acq On : 14 Sep 2020 22:55
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:43:45 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	5.65	49	1045667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4497853	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4494765	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3294644	10.32	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

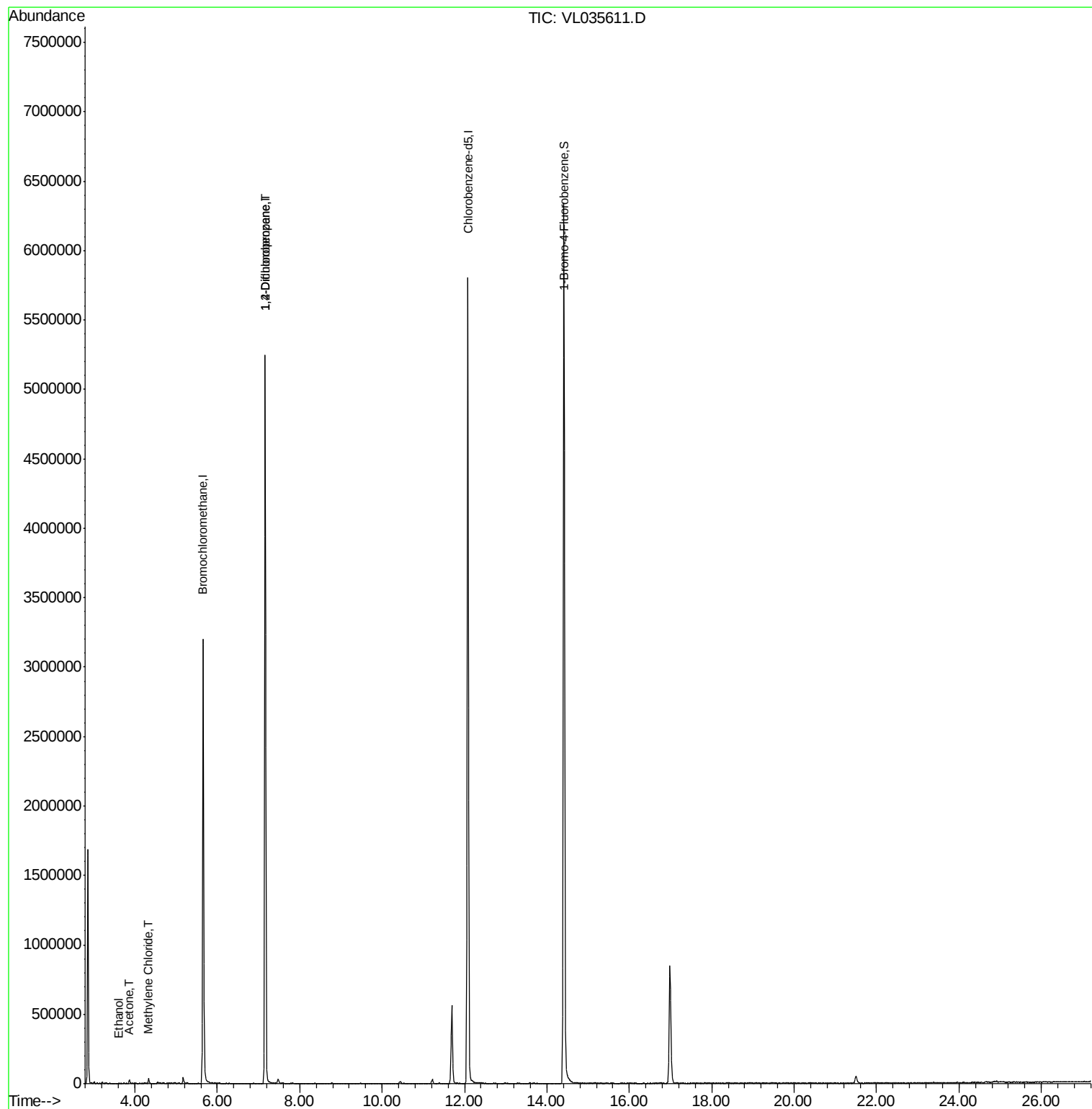
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	420	0.038	ppbv #	37
15) Acetone	3.86	43	21029	0.182	ppbv #	42
20) Methylene Chloride	4.33	84	14871	0.173	ppbv	96
39) 1,2-Dichloropropane	7.16	63	818104	8.318	ppbv #	32

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035611.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

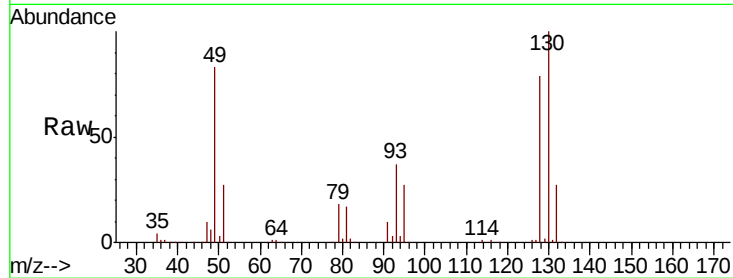
Tot Ion: 49 Resp: 1045667

Ion Ratio Lower Upper

49 100

128 94.9 50.0 150.1

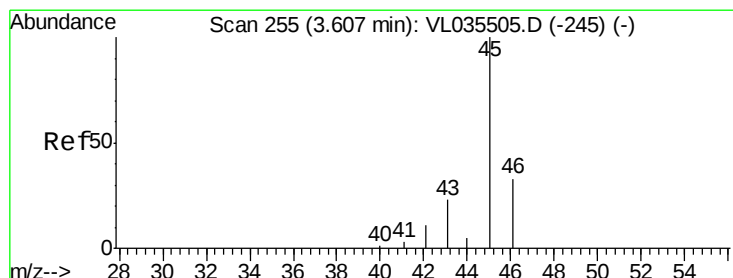
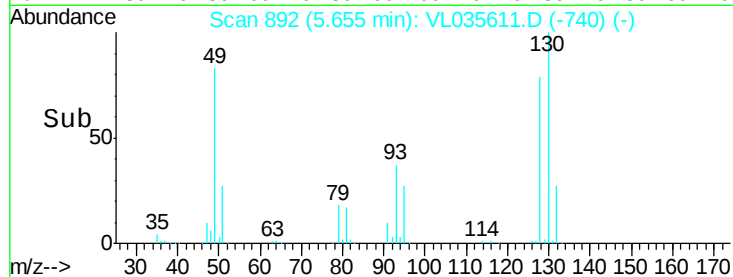
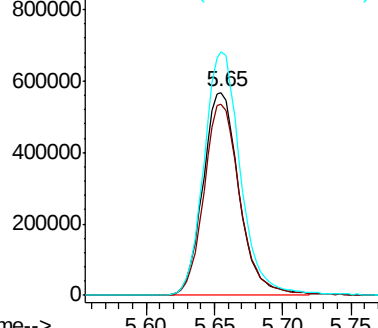
130 122.1 64.4 193.2



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



#13

Ethanol

Concen: 0.038 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL035611.D

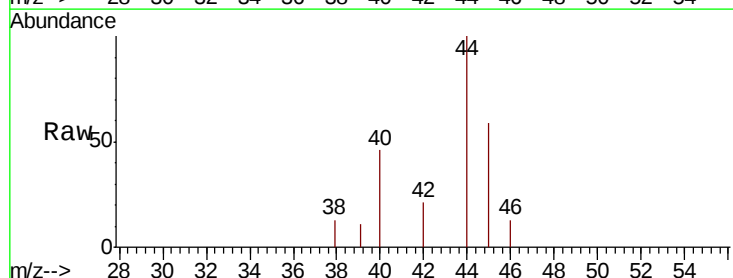
Acq: 14 Sep 2020 22:55

Tgt Ion: 45 Resp: 420

Ion Ratio Lower Upper

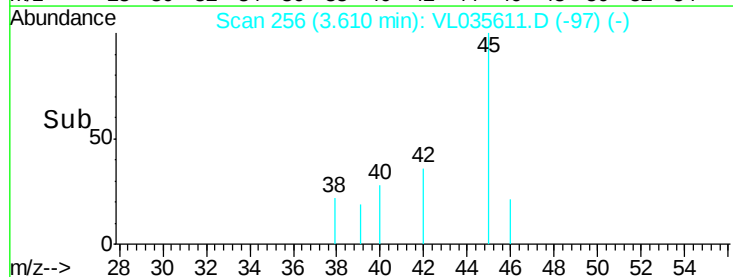
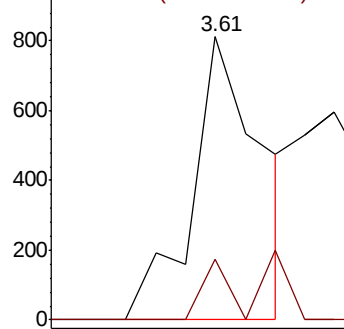
45 100

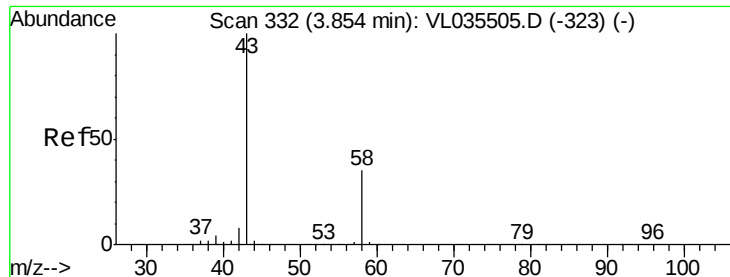
46 0.0 15.2 60.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.182 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL035611.D

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Instrument :

MSVOA_L

ClientSampleId :

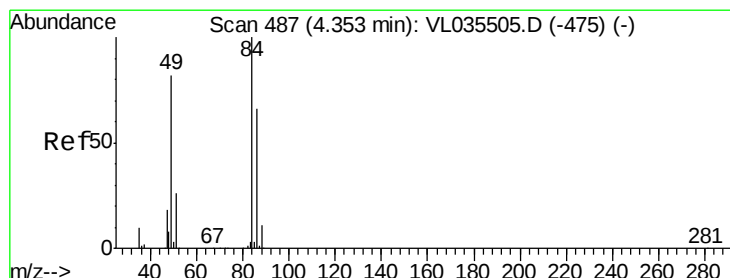
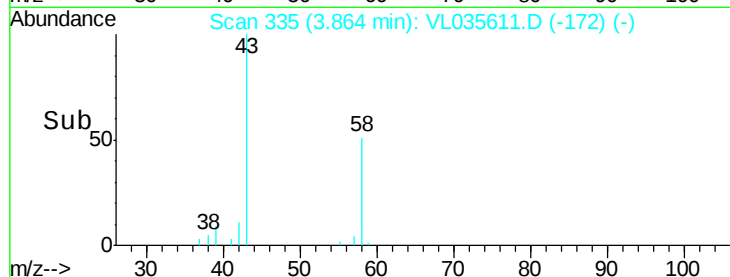
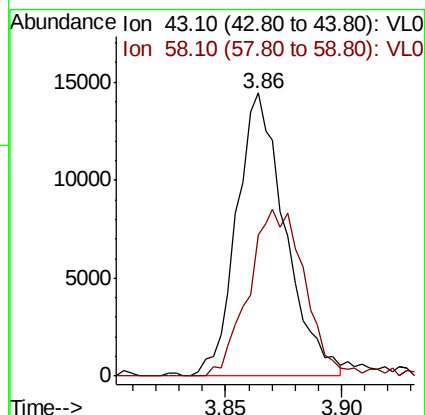
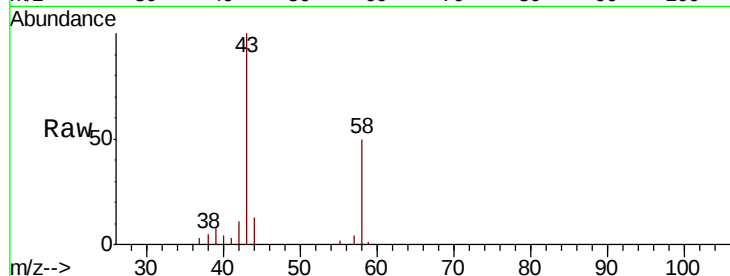
VIBLK

Tot Ion: 43 Resp: 21029

Ion Ratio Lower Upper

43 100

58 69.5 28.4 42.6#



#20

Methylene Chloride

Concen: 0.173 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL035611.D

Acq: 14 Sep 2020 22:55

Tgt Ion: 84 Resp: 14871

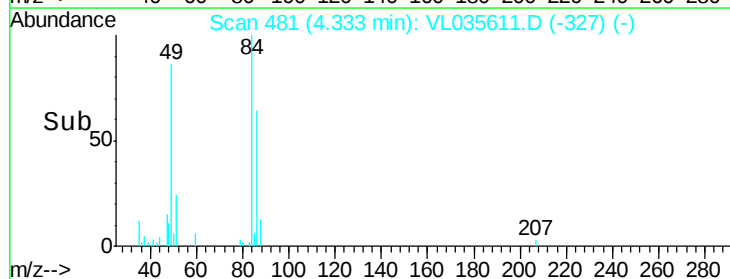
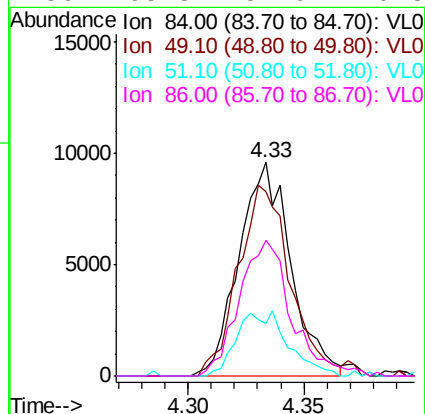
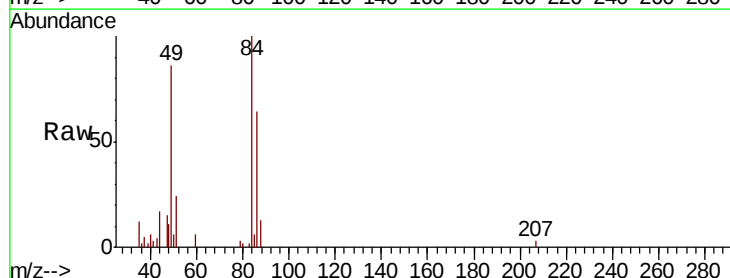
Ion Ratio Lower Upper

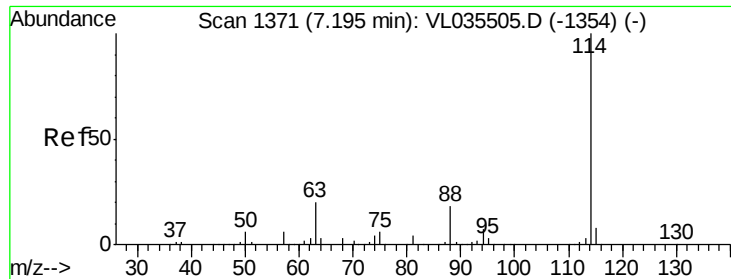
84 100

49 86.2 65.4 98.0

51 24.3 21.5 32.3

86 63.8 52.9 79.3



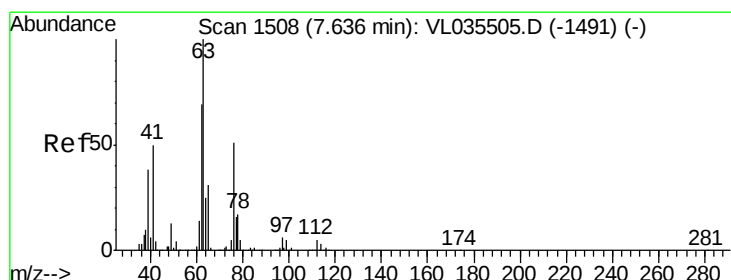
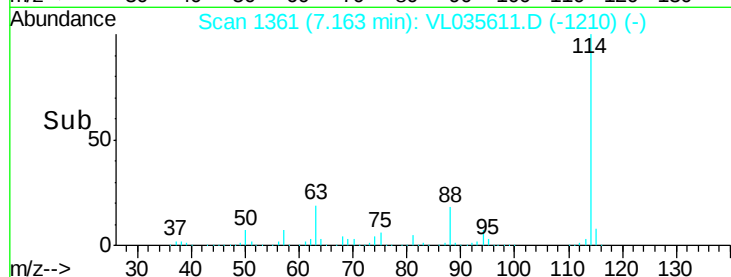
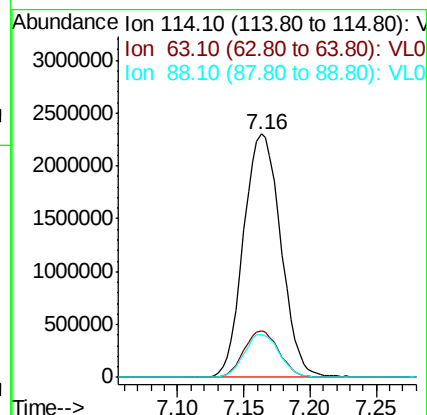
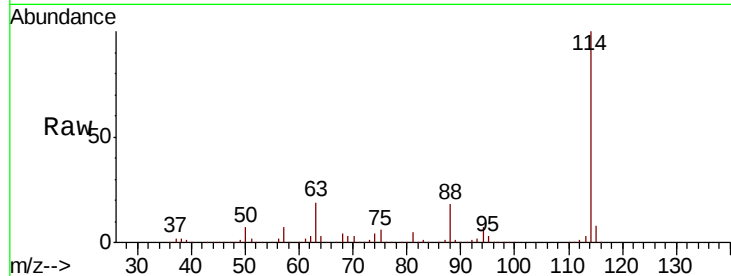


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VL035611.D
 Acq: 14 Sep 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion:114 Resp: 4497853

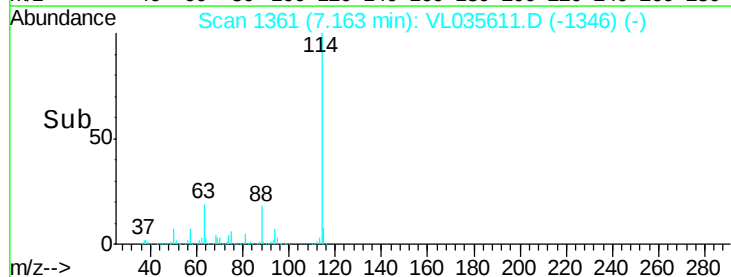
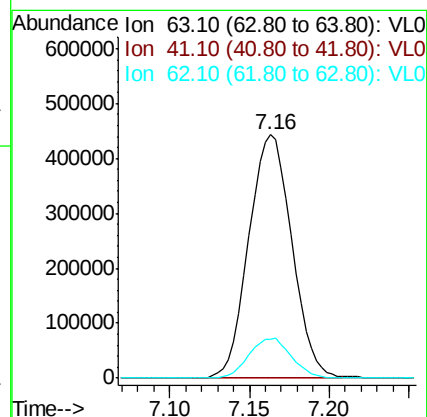
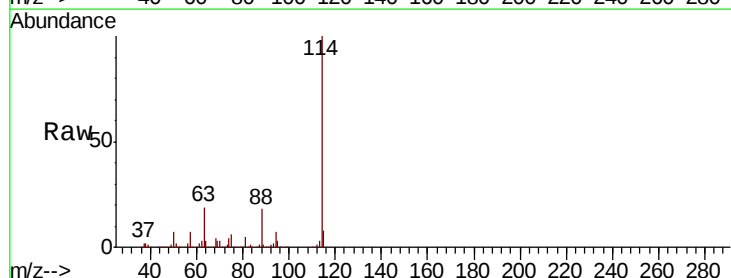
Ion	Ratio	Lower	Upper
114	100		
63	18.3	14.7	22.1
88	17.0	13.4	20.2

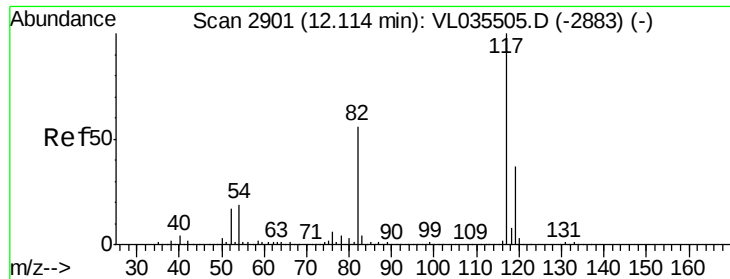


#39
 1,2-Dichloropropane
 Concen: 8.318 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.45 min
 Lab File: VL035611.D
 Acq: 14 Sep 2020 22:55

Tgt Ion: 63 Resp: 818104

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.0	55.4	83.0#

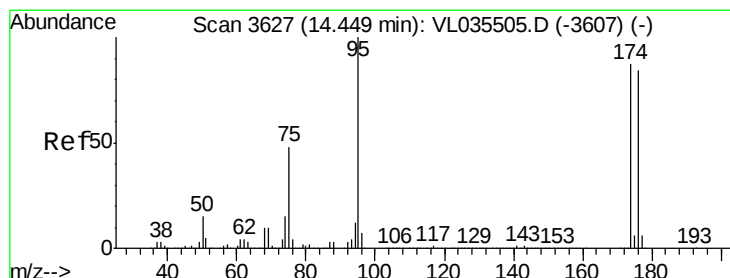
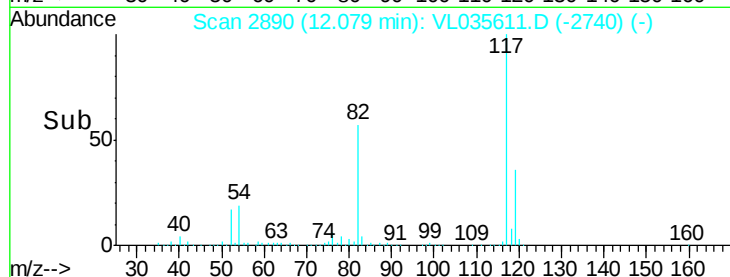
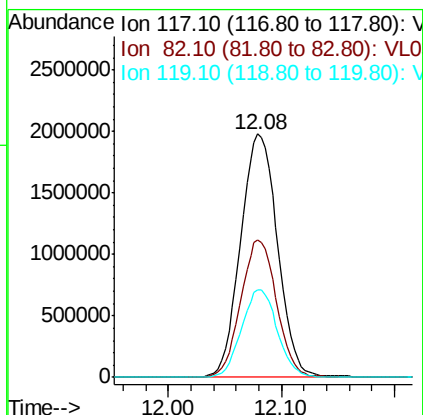
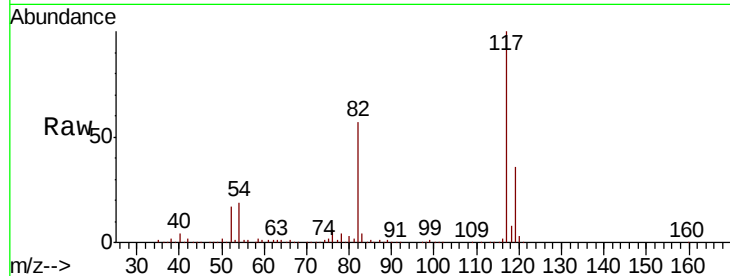




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035611.D
Acq: 14 Sep 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 4494765
Ion Ratio Lower Upper
117 100
82 55.4 41.6 62.4
119 35.0 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.322 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.02 min
Lab File: VL035611.D
Acq: 14 Sep 2020 22:55

Tgt Ion: 95 Resp: 3294644
Ion Ratio Lower Upper
95 100
174 81.3 69.6 104.4
175 5.8 5.1 7.7

