

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035622.D
 Acq On : 15 Sep 2020 5:51
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:46:36 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	1010894	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4266993	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4239733	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3115866	10.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

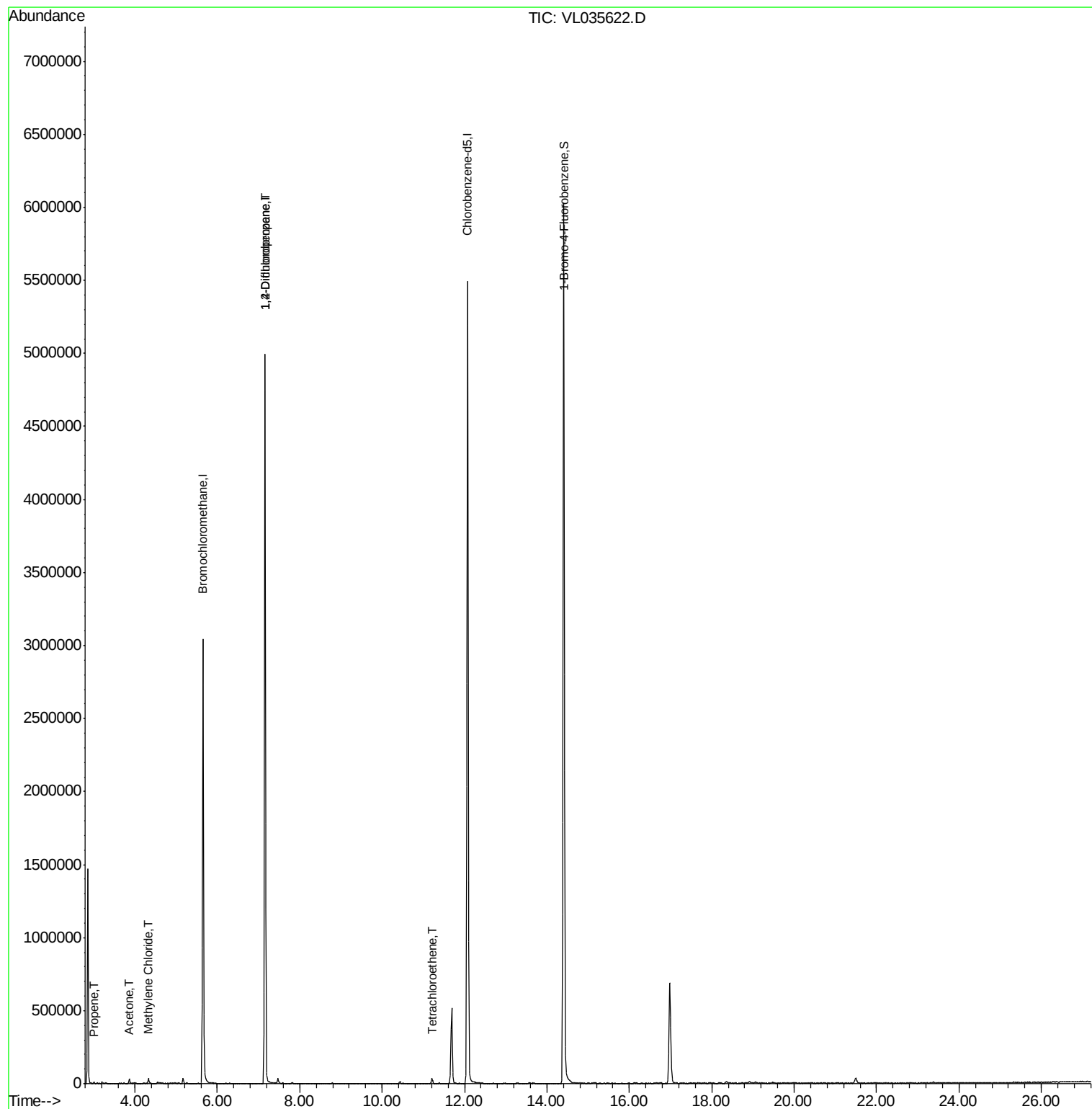
Target Compounds					Ovalue
9) Propene	3.00	41	2346	0.054 ppbv	92
15) Acetone	3.86	43	21887	0.196 ppbv #	42
20) Methylene Chloride	4.33	84	13645	0.164 ppbv #	93
39) 1,2-Dichloropropane	7.16	63	781426	8.375 ppbv #	32
52) Tetrachloroethene	11.21	164	5704	0.035 ppbv	92

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

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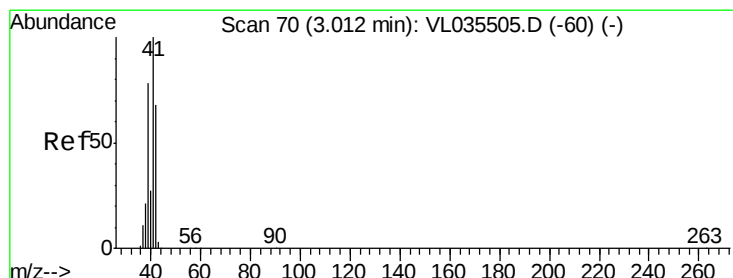
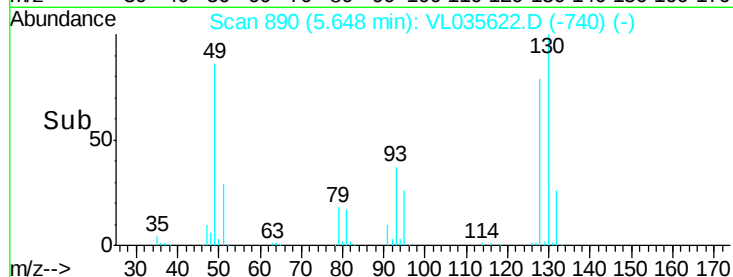
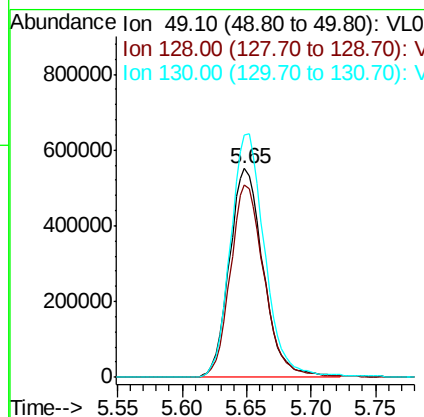
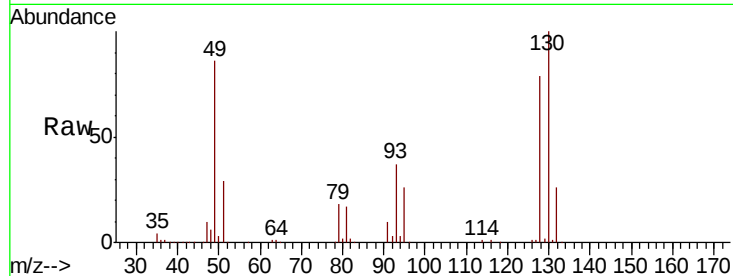




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: VL035622.D
 Acq: 15 Sep 2020 5:51

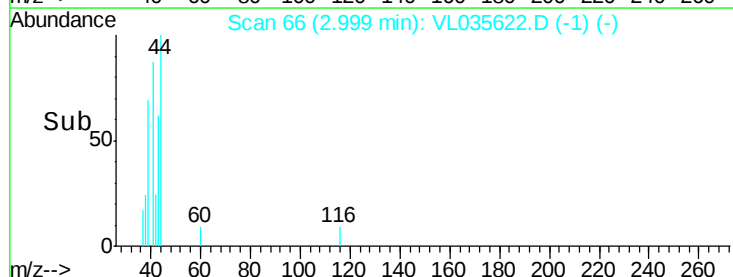
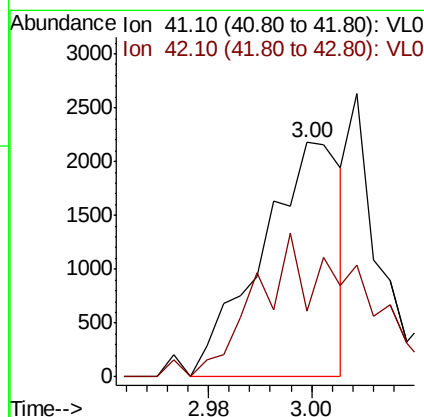
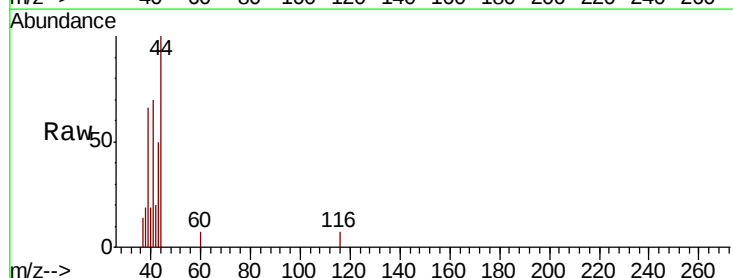
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

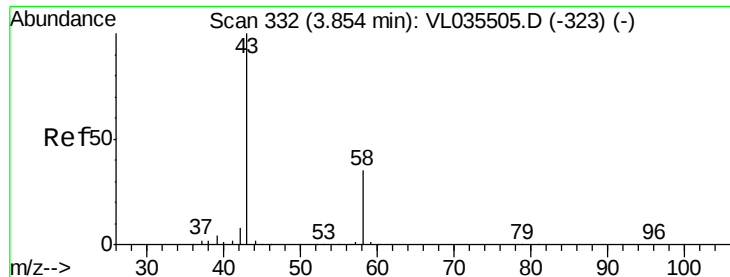
Tot Ion: 49 Resp: 1010894
 Ion Ratio Lower Upper
 49 100
 128 92.6 50.0 150.1
 130 118.1 64.4 193.2



#9
 Propene
 Concen: 0.054 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: VL035622.D
 Acq: 15 Sep 2020 5:51

Tgt Ion: 41 Resp: 2346
 Ion Ratio Lower Upper
 41 100
 42 76.7 56.3 84.5





#15

Acetone

Concen: 0.196 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035622.D

Acq: 15 Sep 2020 5:51

Instrument :

MSVOA_L

ClientSampleId :

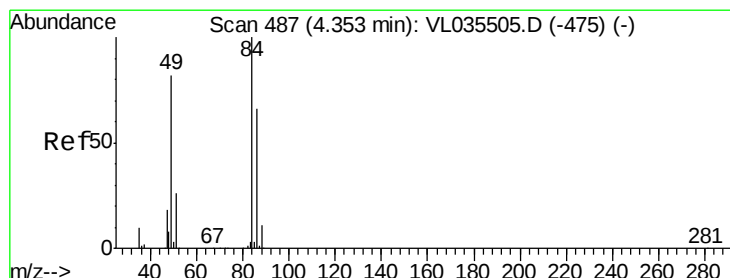
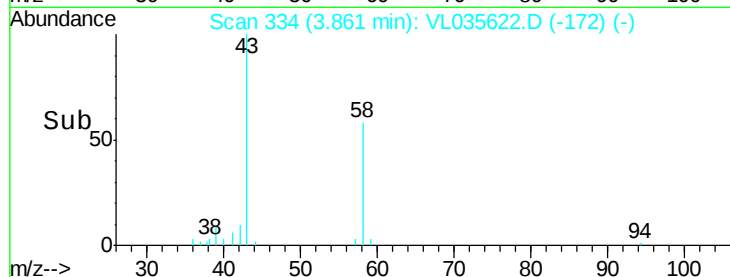
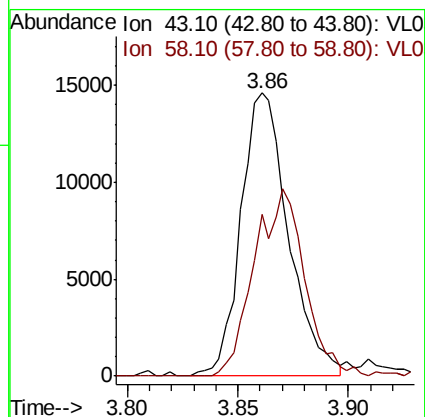
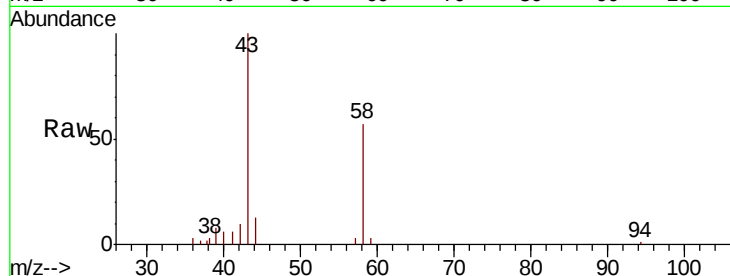
VIBLK

Tot Ion: 43 Resp: 21887

Ion Ratio Lower Upper

43 100

58 69.6 28.4 42.6#



#20

Methylene Chloride

Concen: 0.164 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL035622.D

Acq: 15 Sep 2020 5:51

Tgt Ion: 84 Resp: 13645

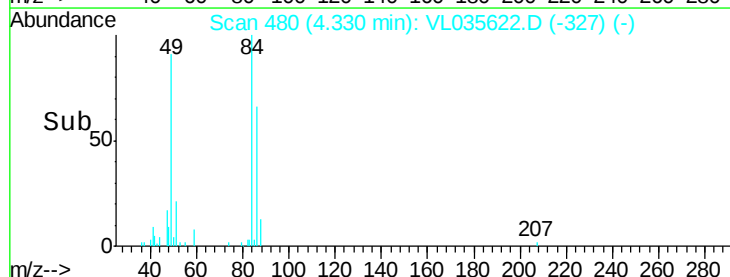
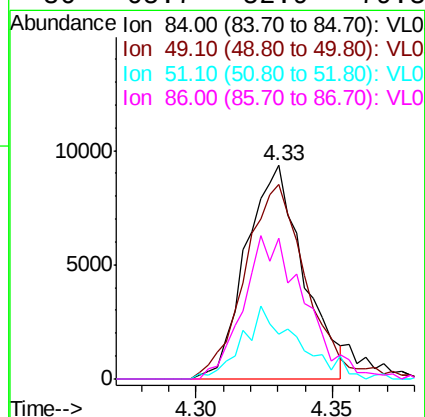
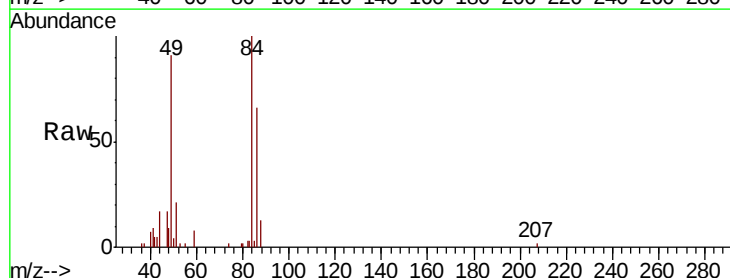
Ion Ratio Lower Upper

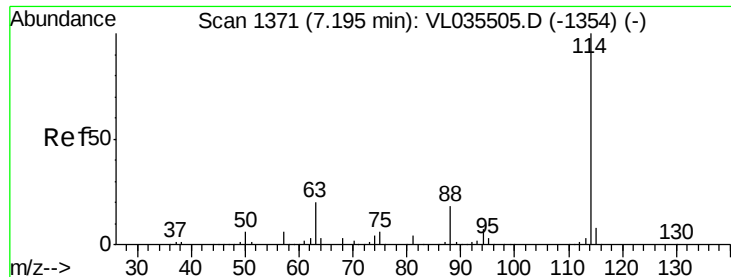
84 100

49 91.2 65.4 98.0

51 20.9 21.5 32.3#

86 65.7 52.9 79.3



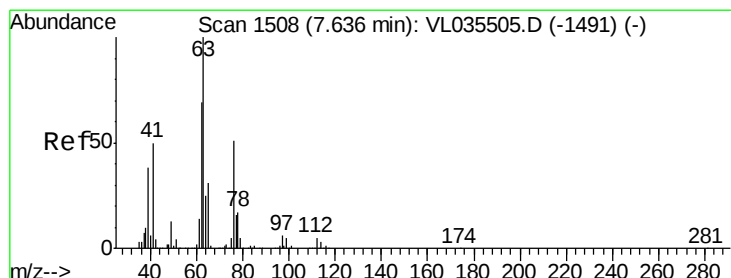
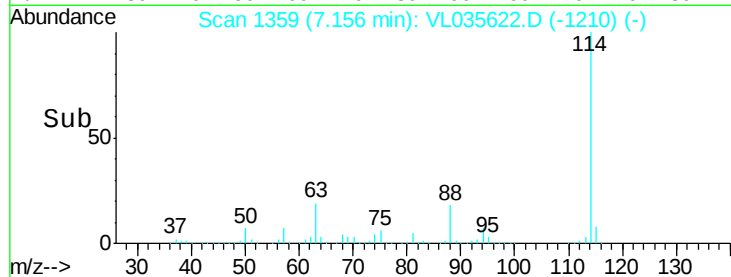
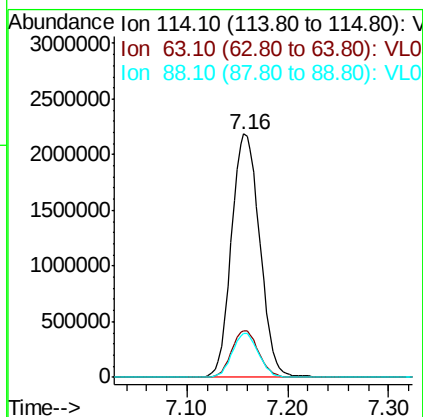
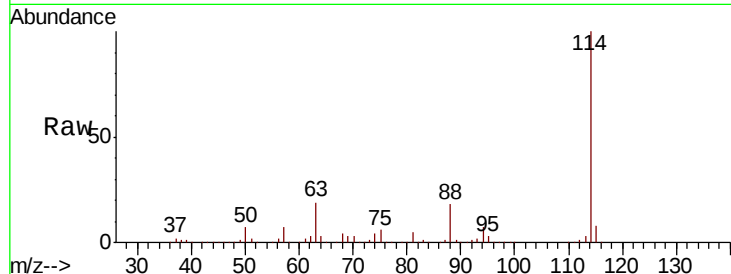


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035622.D
 Acq: 15 Sep 2020 5:51

Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

Tot Ion:114 Resp: 4266993

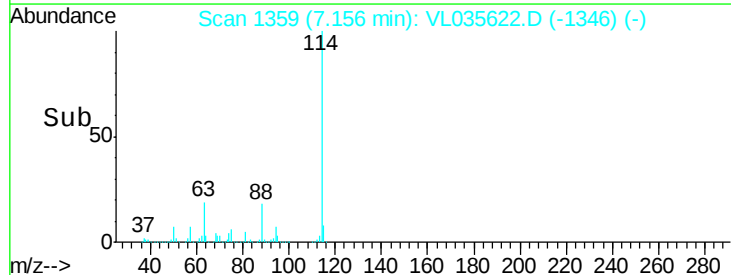
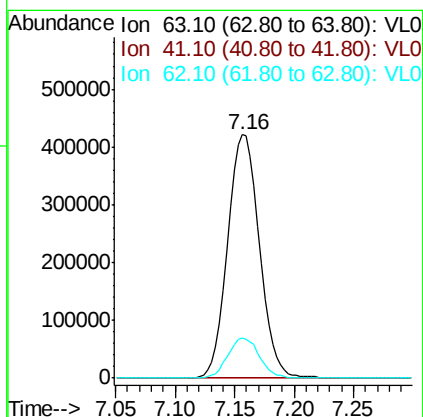
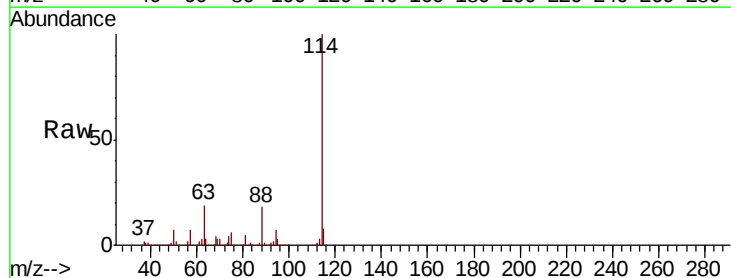
Ion	Ratio	Lower	Upper
114	100		
63	18.4	14.7	22.1
88	16.8	13.4	20.2

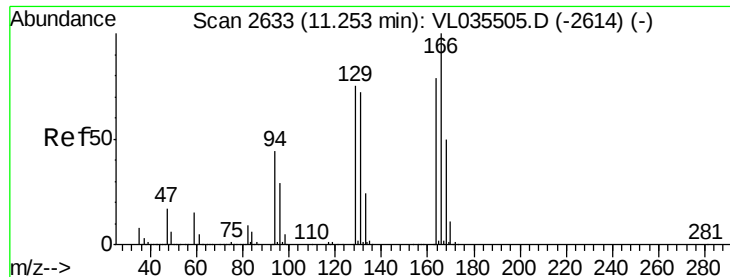


#39
 1,2-Dichloropropane
 Concen: 8.375 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.46 min
 Lab File: VL035622.D
 Acq: 15 Sep 2020 5:51

Tgt Ion: 63 Resp: 781426

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.6	55.4	83.0#





#52

Tetrachloroethene

Concen: 0.035 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL035622.D

Acq: 15 Sep 2020 5:51

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 5704

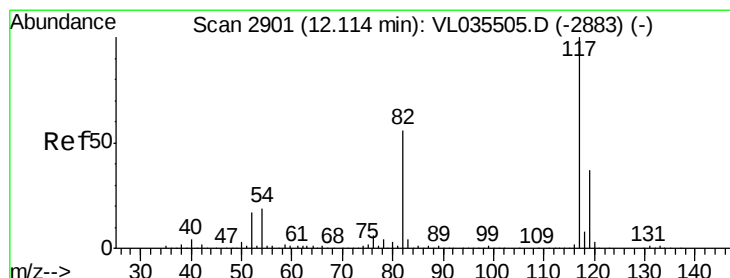
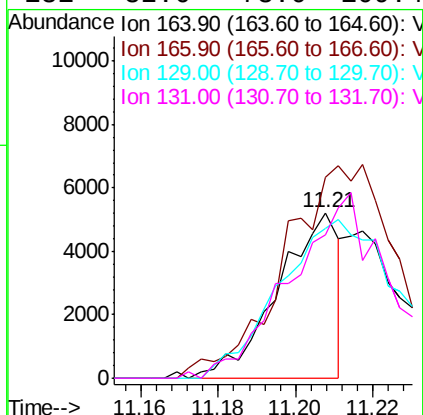
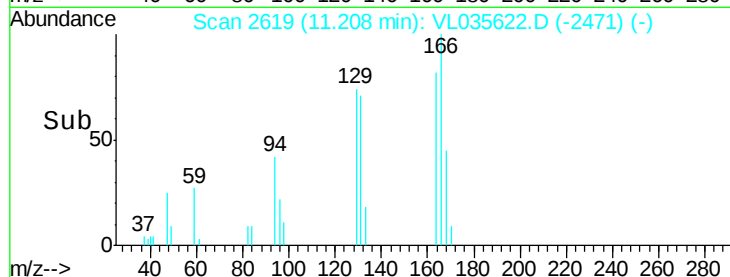
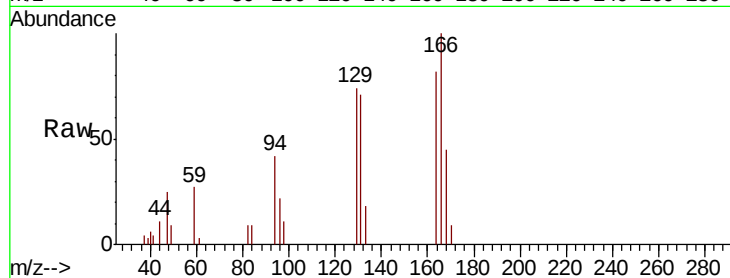
Ion Ratio Lower Upper

164 100

166 114.7 100.9 151.3

129 90.3 75.3 112.9

131 82.6 73.0 109.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL035622.D

Acq: 15 Sep 2020 5:51

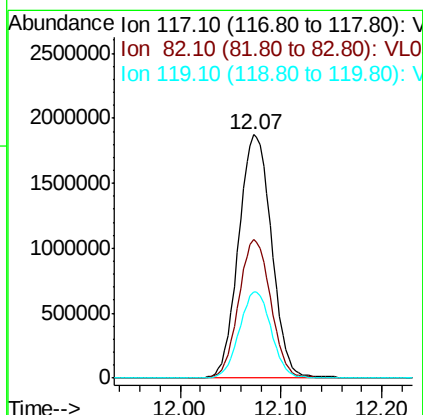
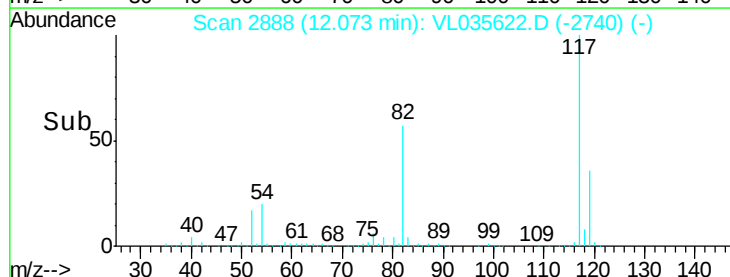
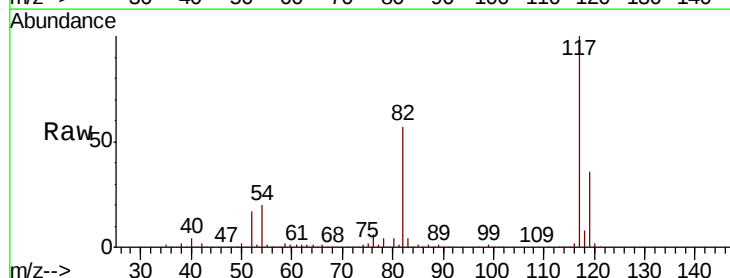
Tgt Ion:117 Resp: 4239733

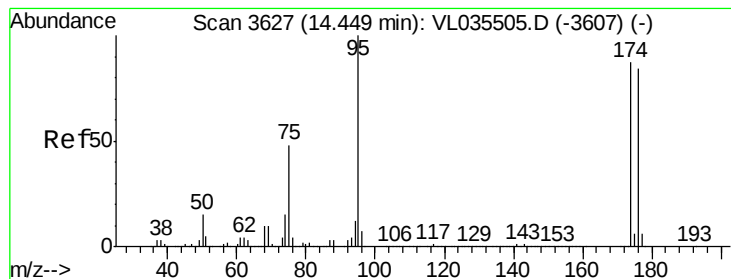
Ion Ratio Lower Upper

117 100

82 55.5 41.6 62.4

119 34.5 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.349 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL035622.D

Acq: 15 Sep 2020 5:51

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 3115866

Ion Ratio Lower Upper

95 100

174 79.9 69.6 104.4

175 5.7 5.1 7.7

