

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035624.D
 Acq On : 15 Sep 2020 7:57
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 08:48:48 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	892386	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3802256	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3845906	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2796231	10.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

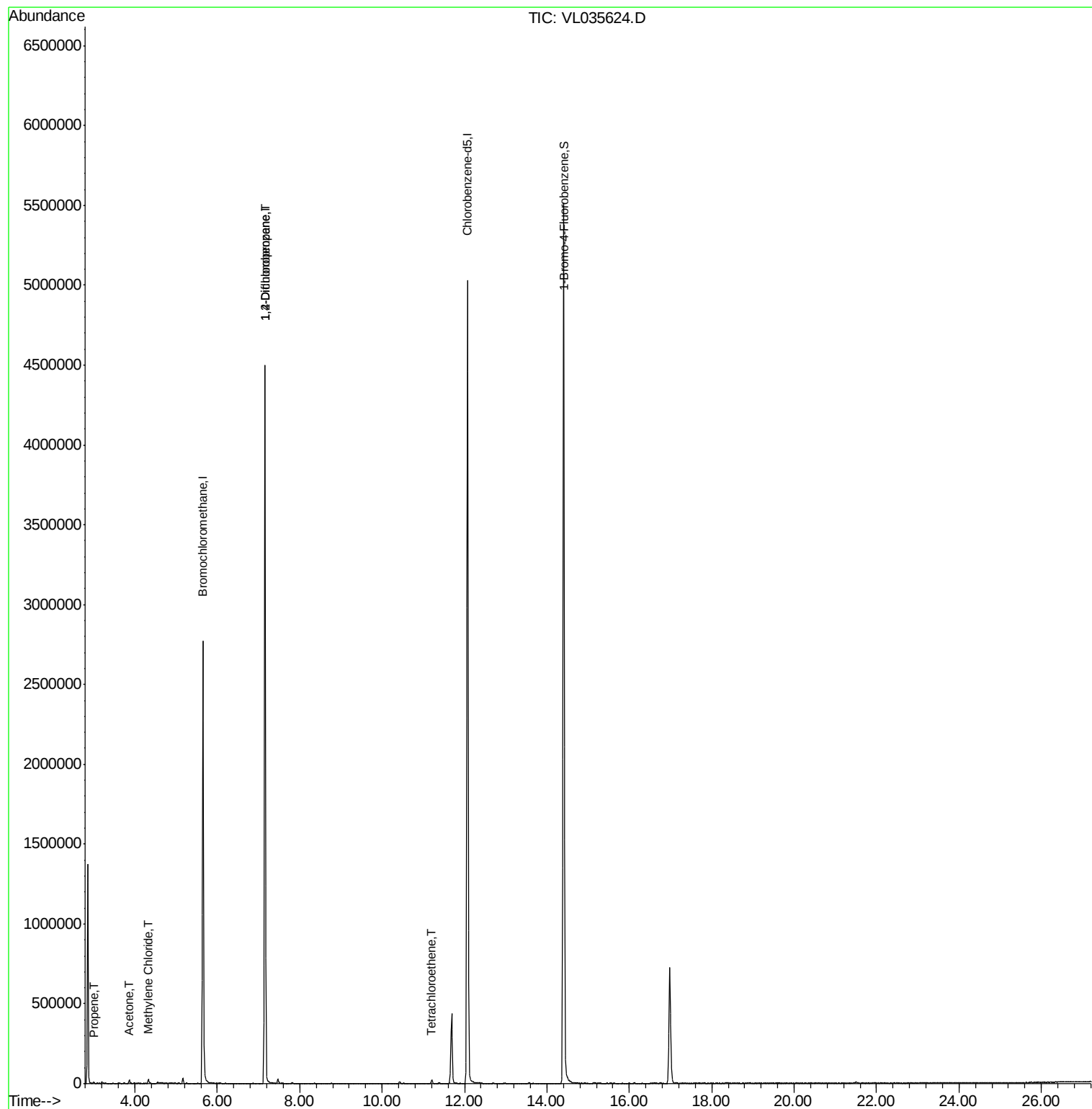
Target Compounds					Ovalue
9) Propene	3.00	41	3052	0.080 ppbv	84
15) Acetone	3.86	43	17958	0.182 ppbv #	48
20) Methylene Chloride	4.33	84	13189	0.180 ppbv #	90
39) 1,2-Dichloropropane	7.15	63	683320	8.219 ppbv #	33
52) Tetrachloroethene	11.21	164	5605	0.039 ppbv	96

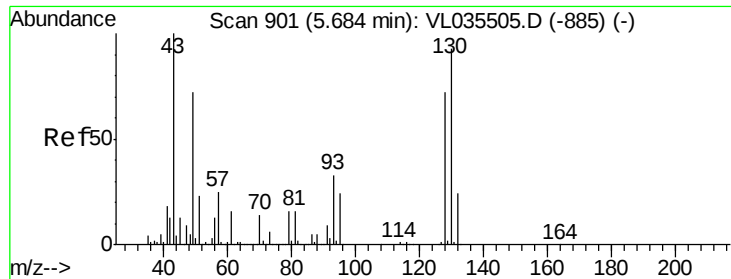
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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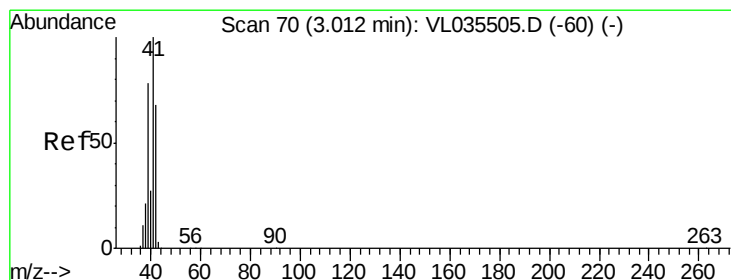
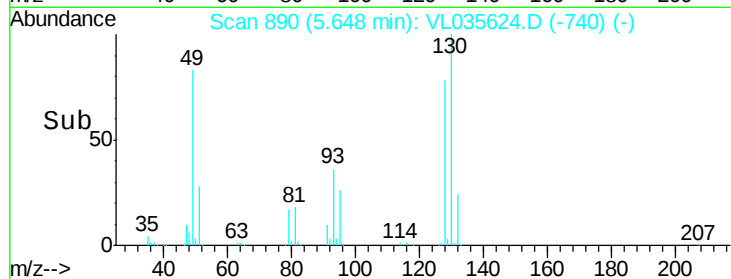
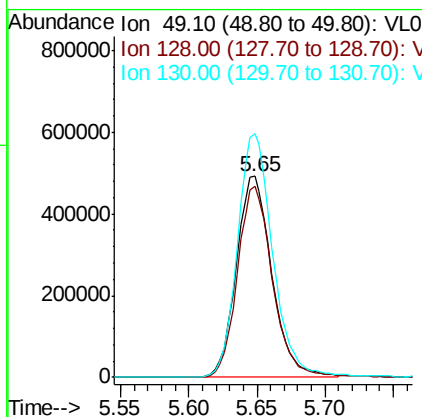
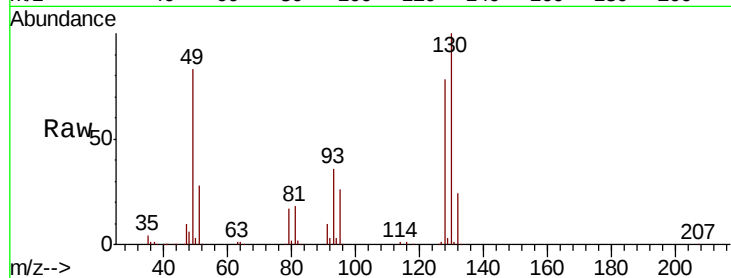




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: VL035624.D
 Acq: 15 Sep 2020 7:57

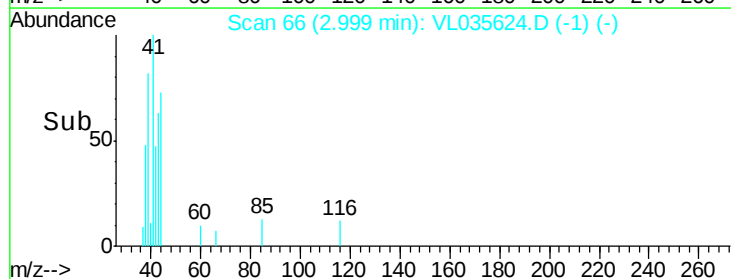
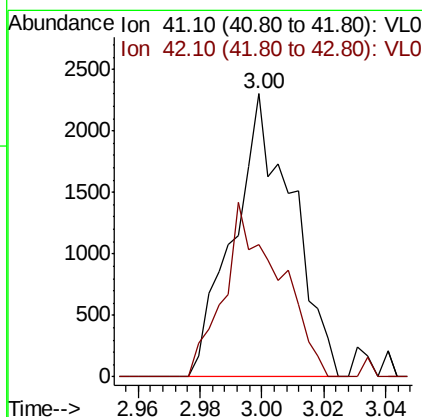
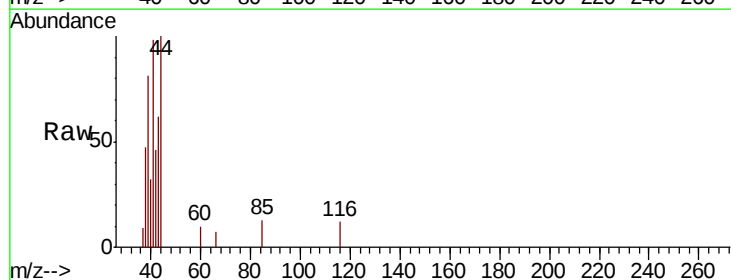
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

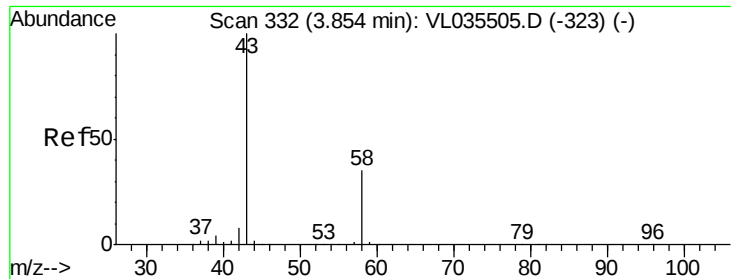
Tot Ion: 49 Resp: 892386
 Ion Ratio Lower Upper
 49 100
 128 94.8 50.0 150.1
 130 122.1 64.4 193.2



#9
 Propene
 Concen: 0.080 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: VL035624.D
 Acq: 15 Sep 2020 7:57

Tgt Ion: 41 Resp: 3052
 Ion Ratio Lower Upper
 41 100
 42 57.6 56.3 84.5





#15

Acetone

Concen: 0.182 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL035624.D

Acq: 15 Sep 2020 7:57

Instrument :

MSVOA_L

ClientSampleId :

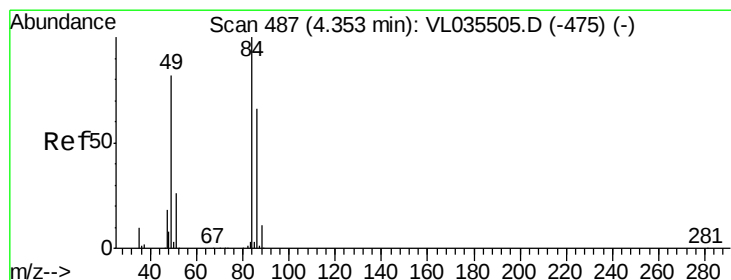
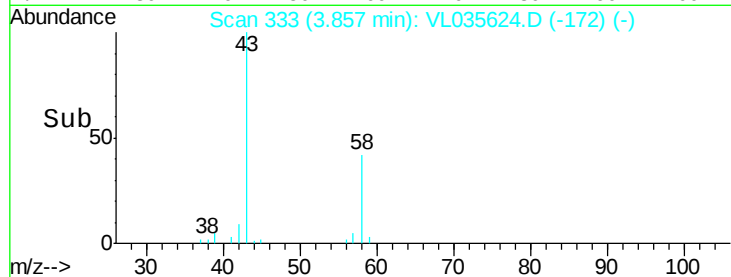
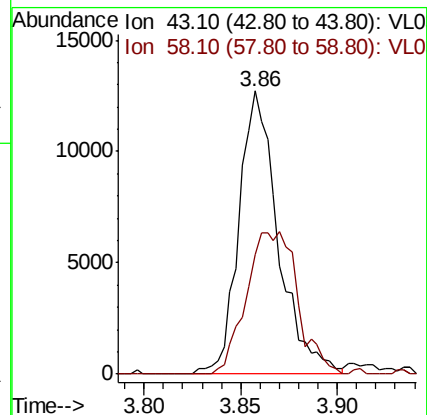
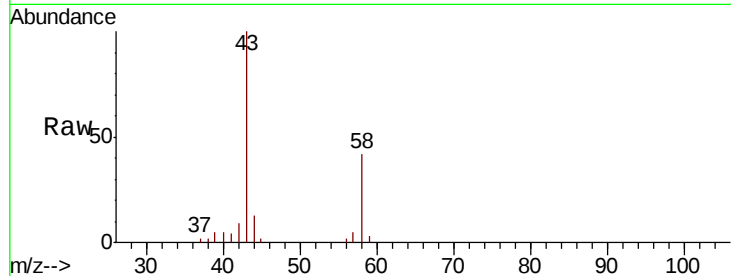
VIBLK

Tot Ion: 43 Resp: 17958

Ion Ratio Lower Upper

43 100

58 65.8 28.4 42.6#



#20

Methylene Chloride

Concen: 0.180 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL035624.D

Acq: 15 Sep 2020 7:57

Tgt Ion: 84 Resp: 13189

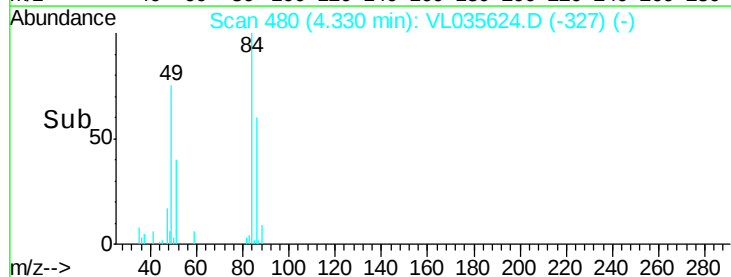
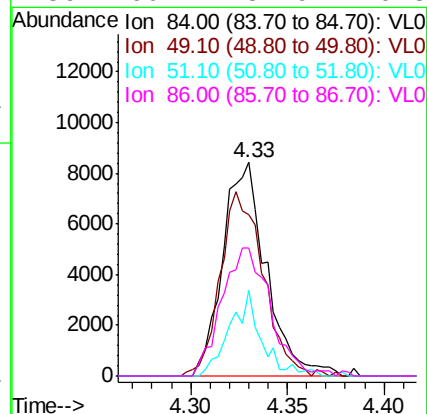
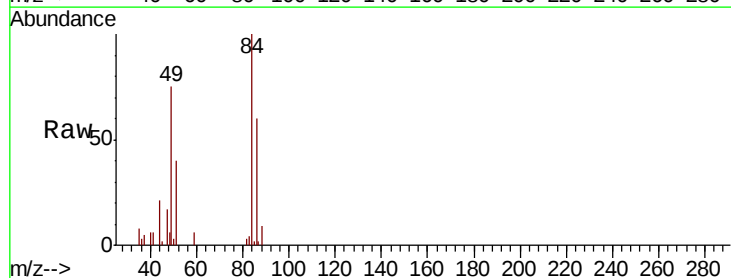
Ion Ratio Lower Upper

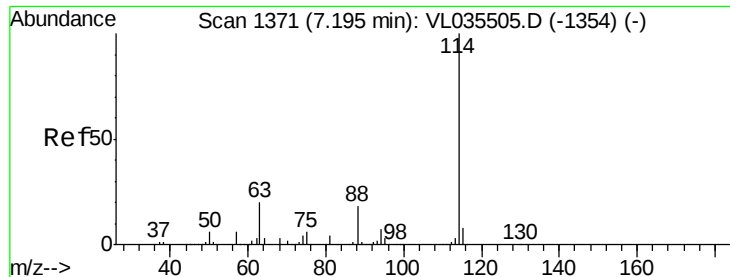
84 100

49 75.5 65.4 98.0

51 39.9 21.5 32.3#

86 60.2 52.9 79.3

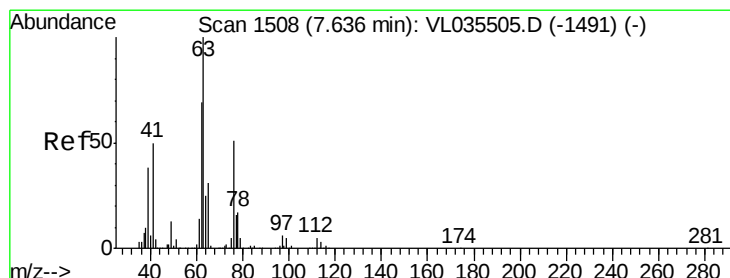
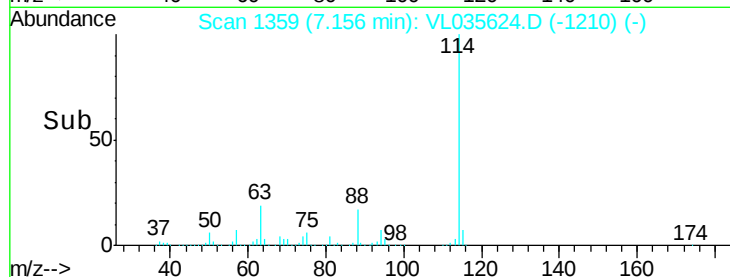
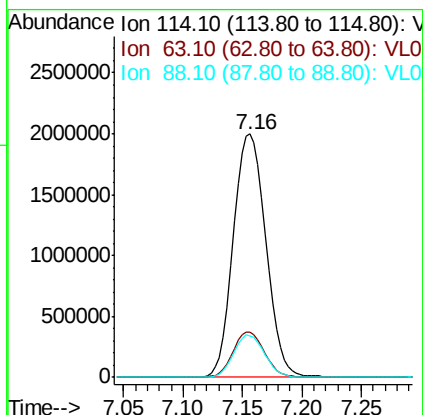
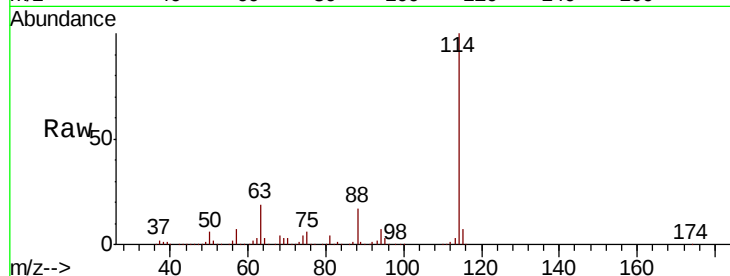




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035624.D
 Acq: 15 Sep 2020 7:57

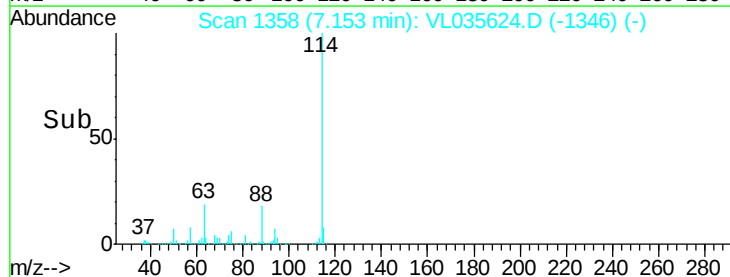
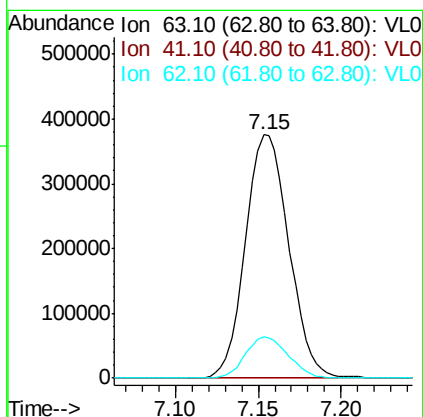
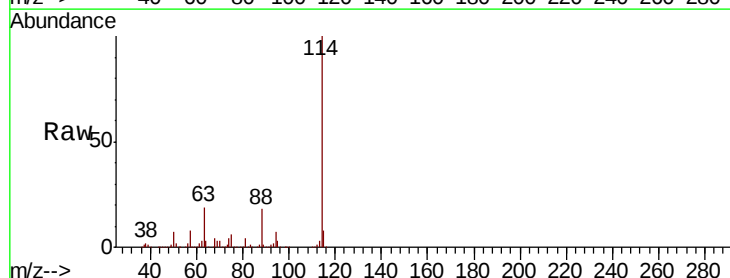
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

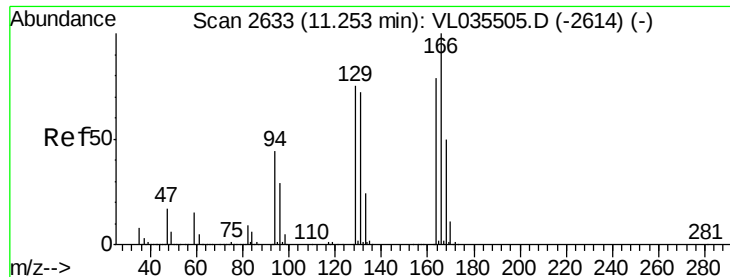
Tot Ion:114 Resp: 3802256
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.7 22.1
 88 16.6 13.4 20.2



#39
 1,2-Dichloropropane
 Concen: 8.219 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.46 min
 Lab File: VL035624.D
 Acq: 15 Sep 2020 7:57

Tgt Ion: 63 Resp: 683320
 Ion Ratio Lower Upper
 63 100
 41 0.0 40.0 60.0#
 62 17.3 55.4 83.0#





#52

Tetrachloroethene

Concen: 0.039 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL035624.D

Acq: 15 Sep 2020 7:57

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 5605

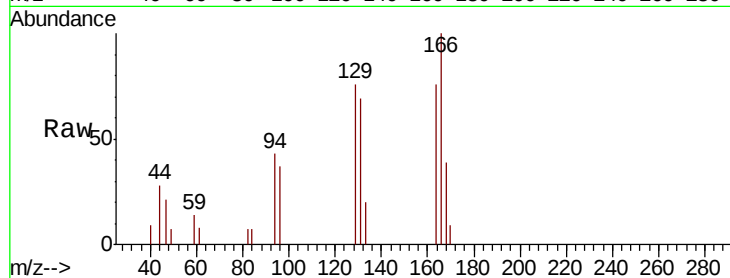
Ion Ratio Lower Upper

164 100

166 132.2 100.9 151.3

129 100.8 75.3 112.9

131 91.7 73.0 109.4

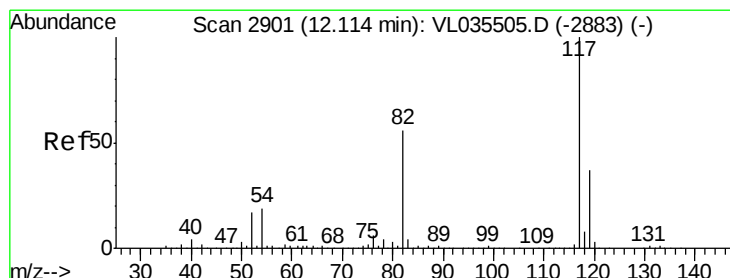
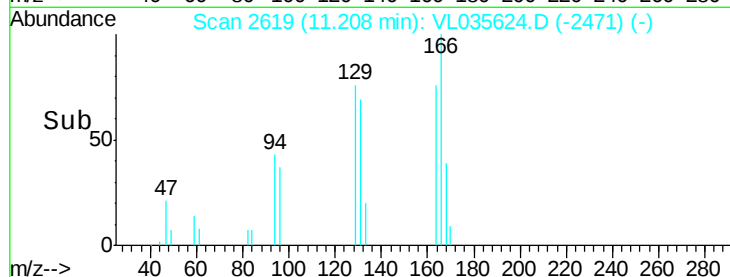
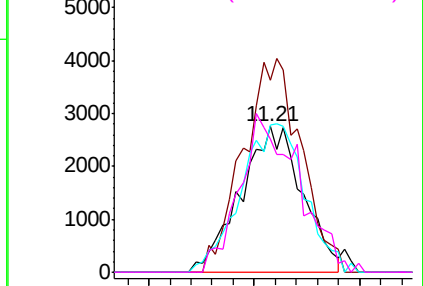


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL035624.D

Acq: 15 Sep 2020 7:57

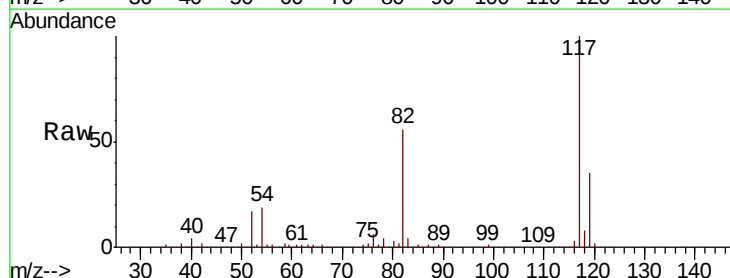
Tgt Ion:117 Resp: 3845906

Ion Ratio Lower Upper

117 100

82 55.1 41.6 62.4

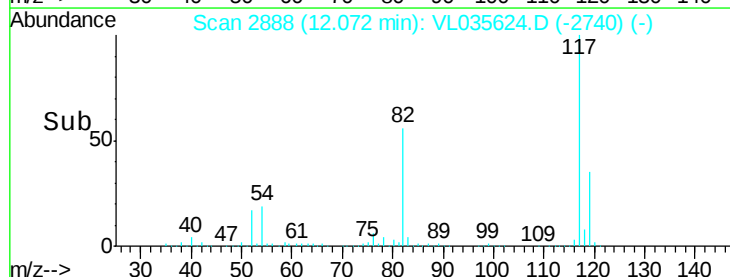
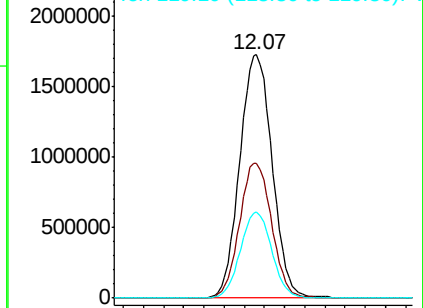
119 34.5 29.3 43.9

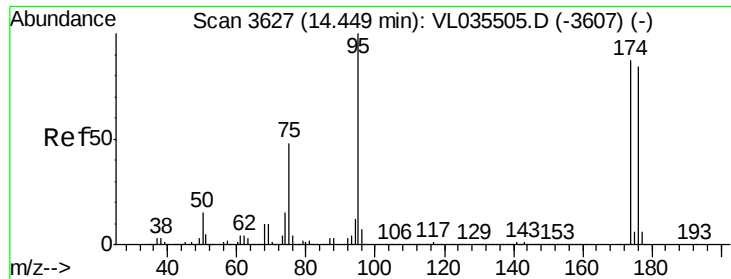


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.238 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL035624.D

Acq: 15 Sep 2020 7:57

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2796231

Ion Ratio Lower Upper

95 100

174 82.0 69.6 104.4

175 5.9 5.1 7.7

