

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035687.D
 Acq On : 21 Sep 2020 15:50
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 22 01:28:29 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	5.64	49	1034121	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3927284	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3882987	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2882801	10.45	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

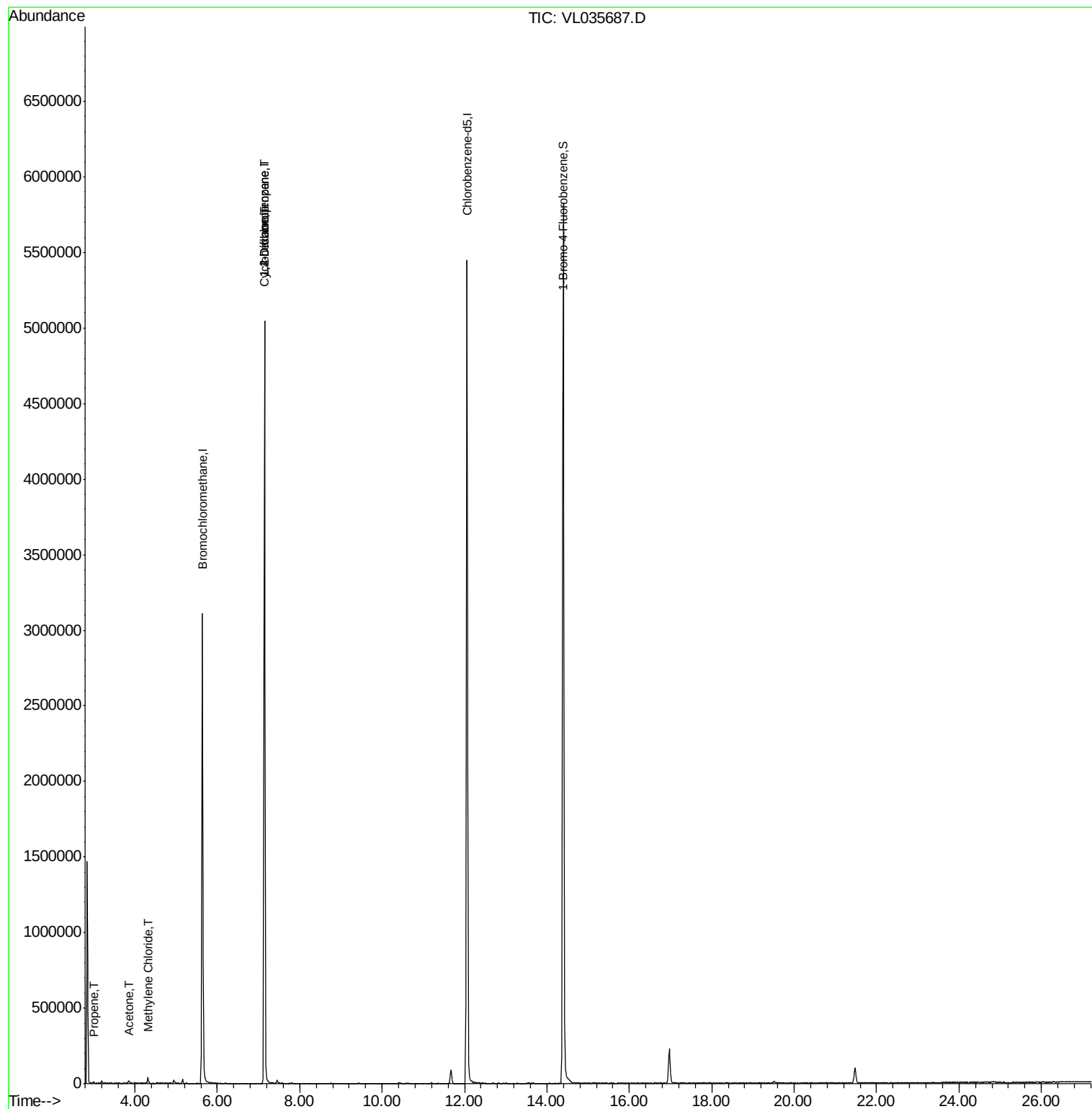
Target Compounds					Ovalue
9) Propene	2.99	41	3125	0.071 ppbv	97
15) Acetone	3.85	43	14962	0.131 ppbv #	44
20) Methylene Chloride	4.31	84	17582	0.207 ppbv	96
30) Cyclohexane	7.13	84	7941	0.065 ppbv #	11
39) 1,2-Dichloropropane	7.14	63	764299	8.900 ppbv #	32

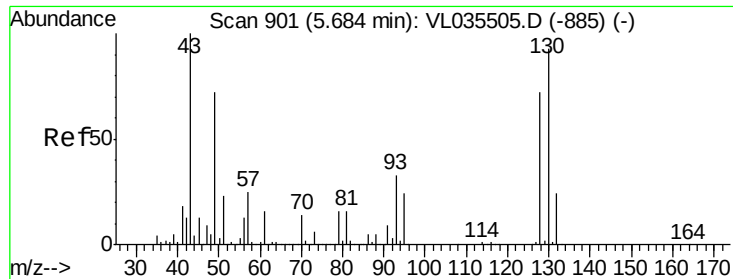
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

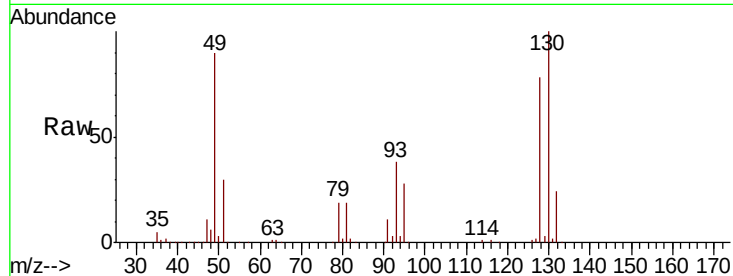
Tot Ion: 49 Resp: 1034121

Ion Ratio Lower Upper

49 100

128 87.2 50.0 150.1

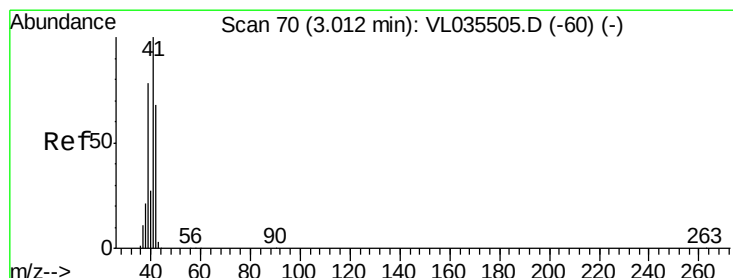
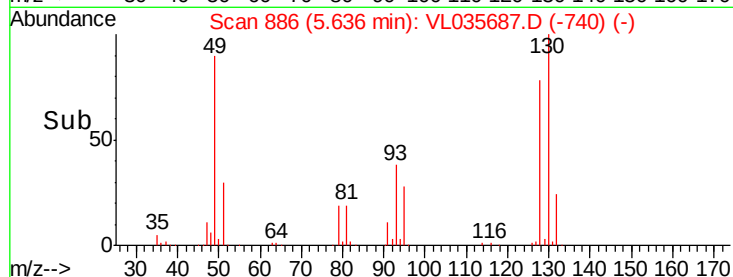
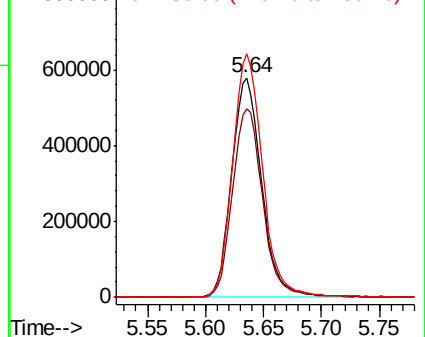
130 110.6 64.4 193.2



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: 0.071 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL035687.D

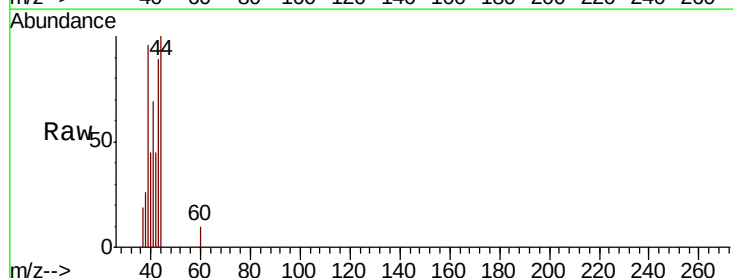
Acq: 21 Sep 2020 15:50

Tgt Ion: 41 Resp: 3125

Ion Ratio Lower Upper

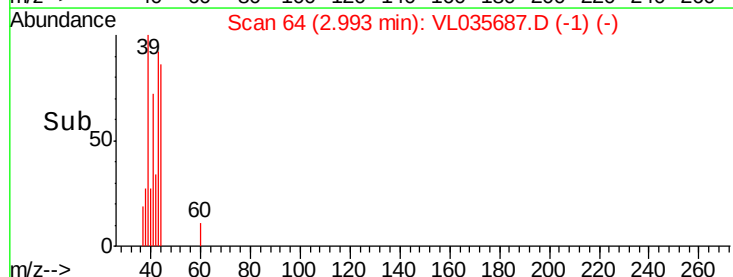
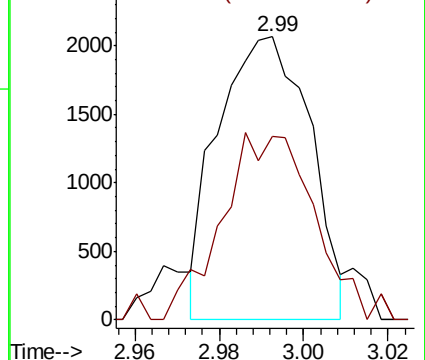
41 100

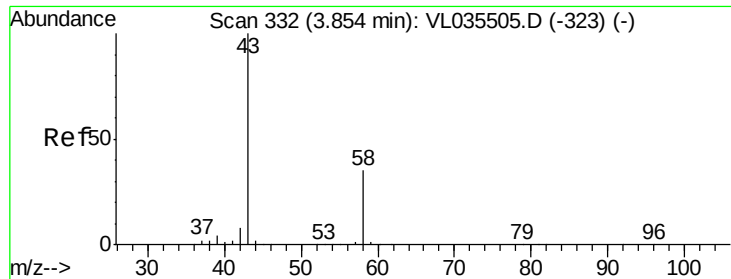
42 67.9 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.131 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

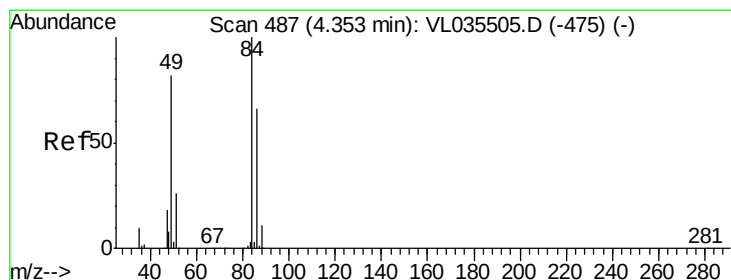
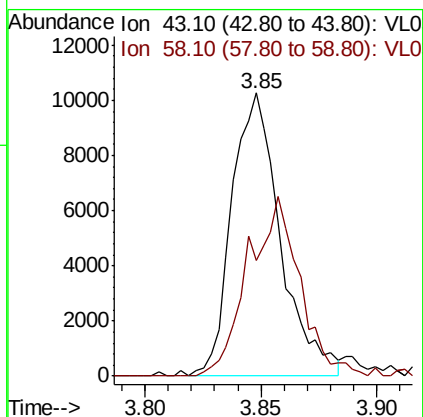
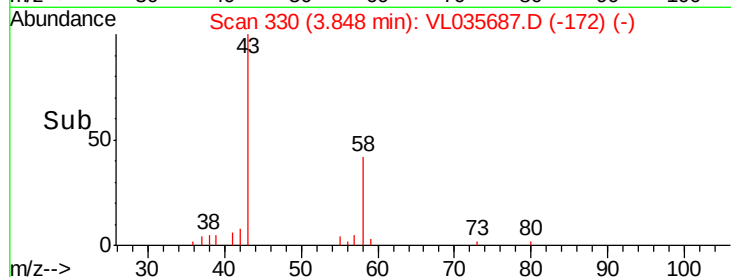
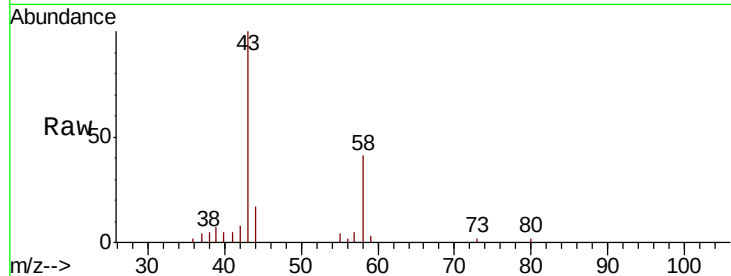
VIBLK

Tot Ion: 43 Resp: 14962

Ion Ratio Lower Upper

43 100

58 68.0 28.4 42.6#



#20

Methylene Chloride

Concen: 0.207 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.02 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

Tgt Ion: 84 Resp: 17582

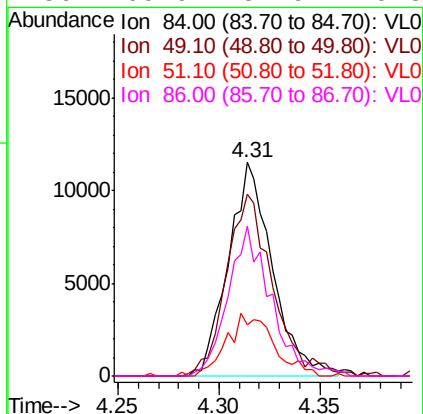
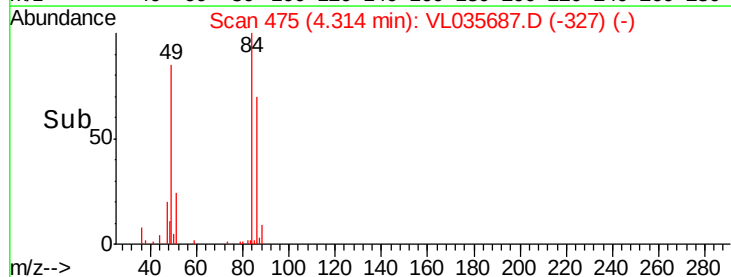
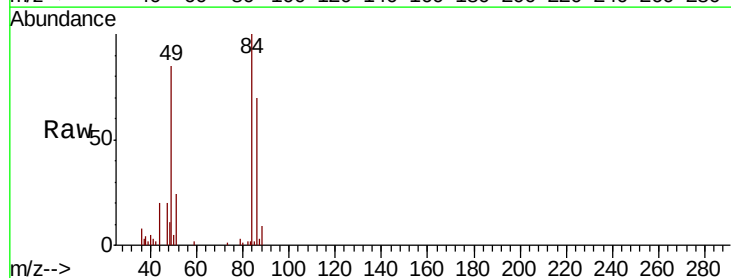
Ion Ratio Lower Upper

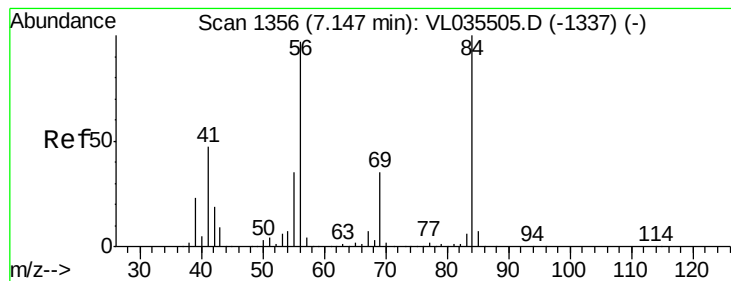
84 100

49 83.7 65.4 98.0

51 23.9 21.5 32.3

86 69.9 52.9 79.3





#30

Cyclohexane

Concen: 0.065 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

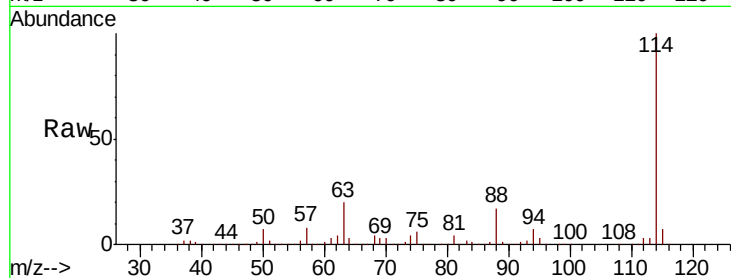
Tot Ion: 84 Resp: 7941

Ion Ratio Lower Upper

84 100

56 0.0 80.1 120.1#

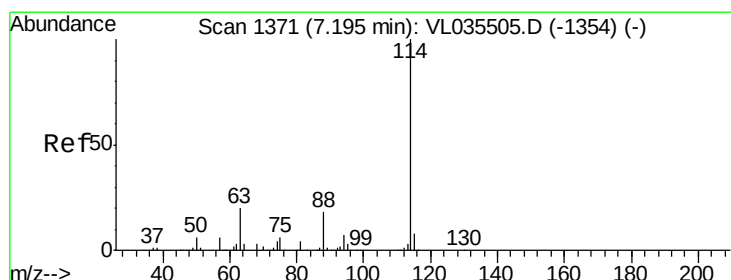
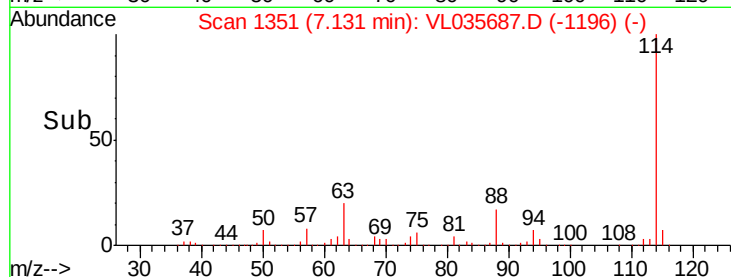
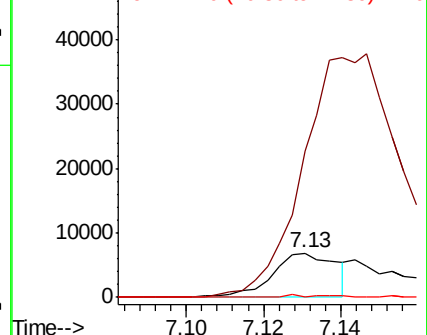
41 3.2 38.1 57.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.03 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

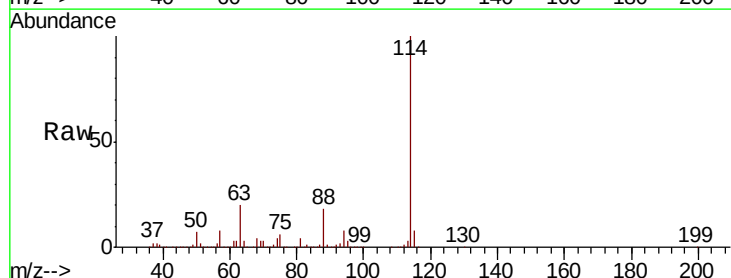
Tgt Ion: 114 Resp: 3927284

Ion Ratio Lower Upper

114 100

63 19.5 14.7 22.1

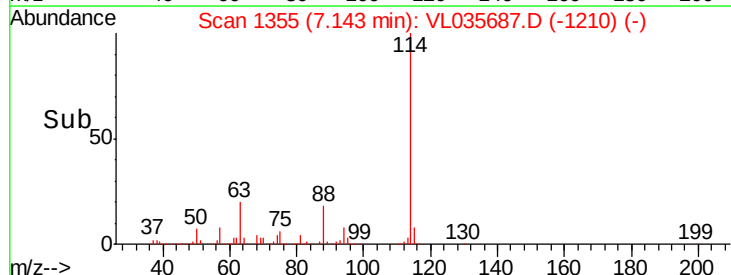
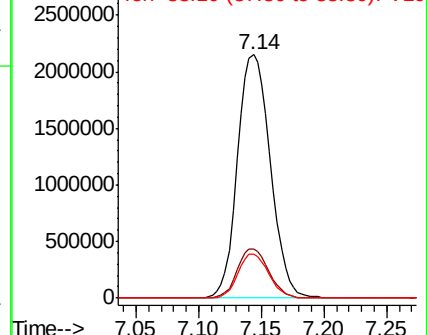
88 17.1 13.4 20.2

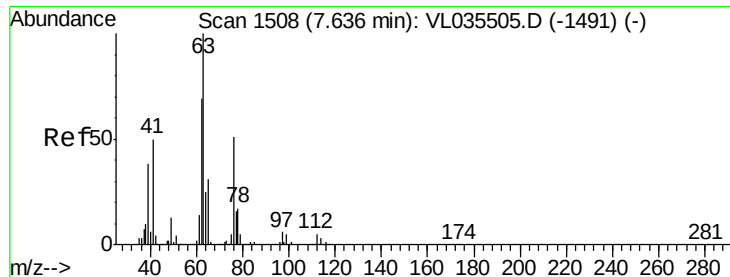


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.900 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.47 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

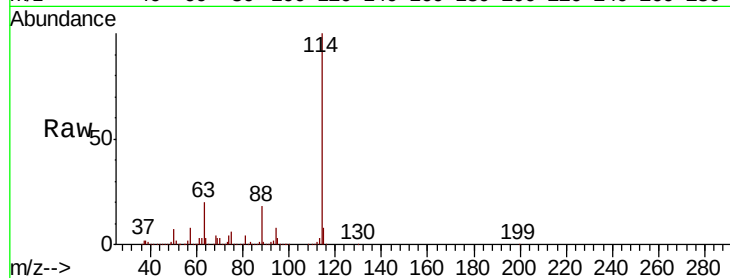
Tot Ion: 63 Resp: 764299

Ion Ratio Lower Upper

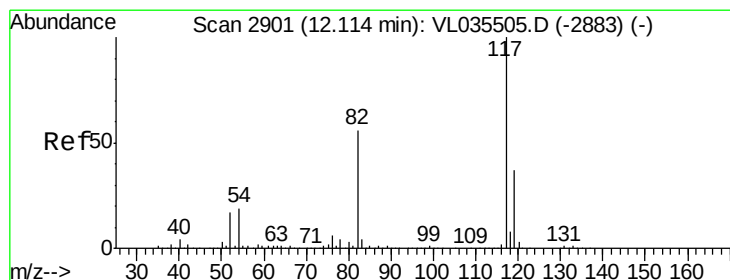
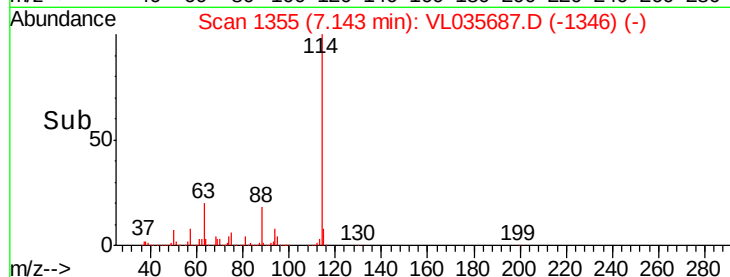
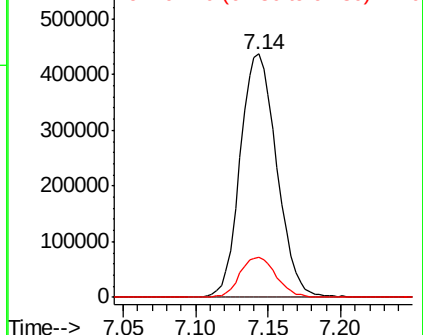
63 100

41 0.0 40.0 60.0#

62 16.3 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: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

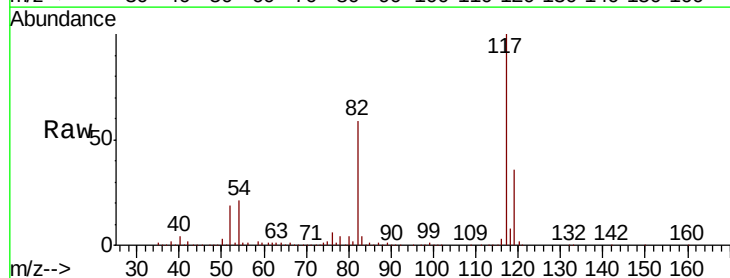
Tgt Ion: 117 Resp: 3882987

Ion Ratio Lower Upper

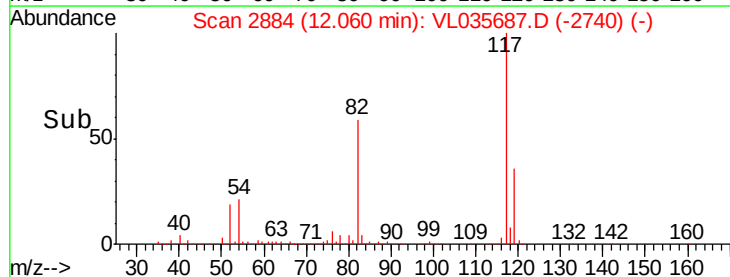
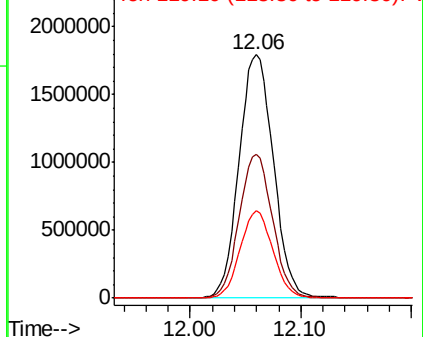
117 100

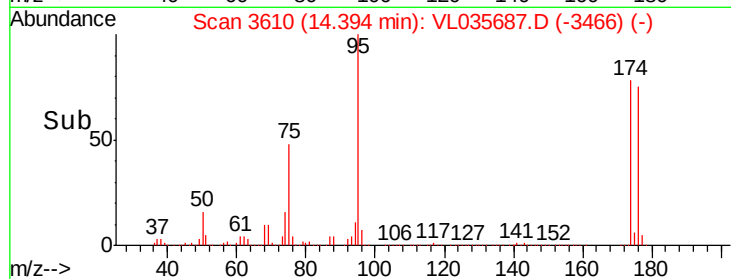
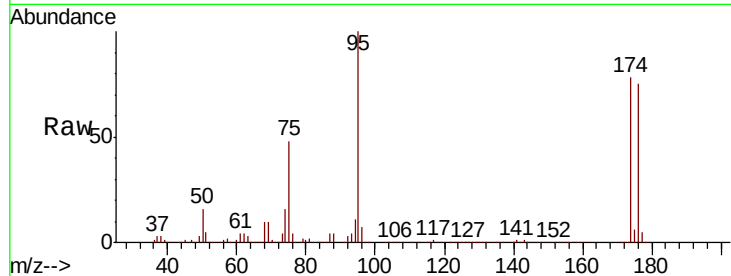
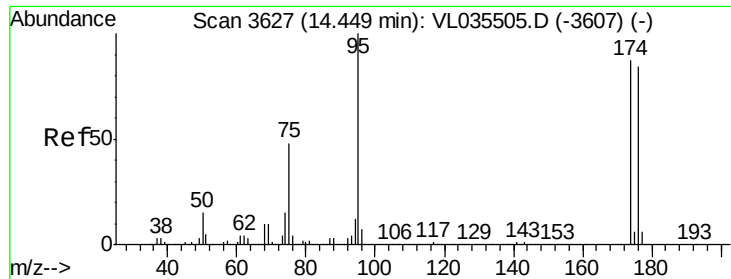
82 57.6 41.6 62.4

119 34.3 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: 10.454 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.04 min

Lab File: VL035687.D

Acq: 21 Sep 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2882801

Ion Ratio Lower Upper

95 100

174 78.4 69.6 104.4

175 5.5 5.1 7.7

