

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035690.D
 Acq On : 21 Sep 2020 17:44
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 22 01:28:57 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	1033289	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3902416	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3818054	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2880358	10.62	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

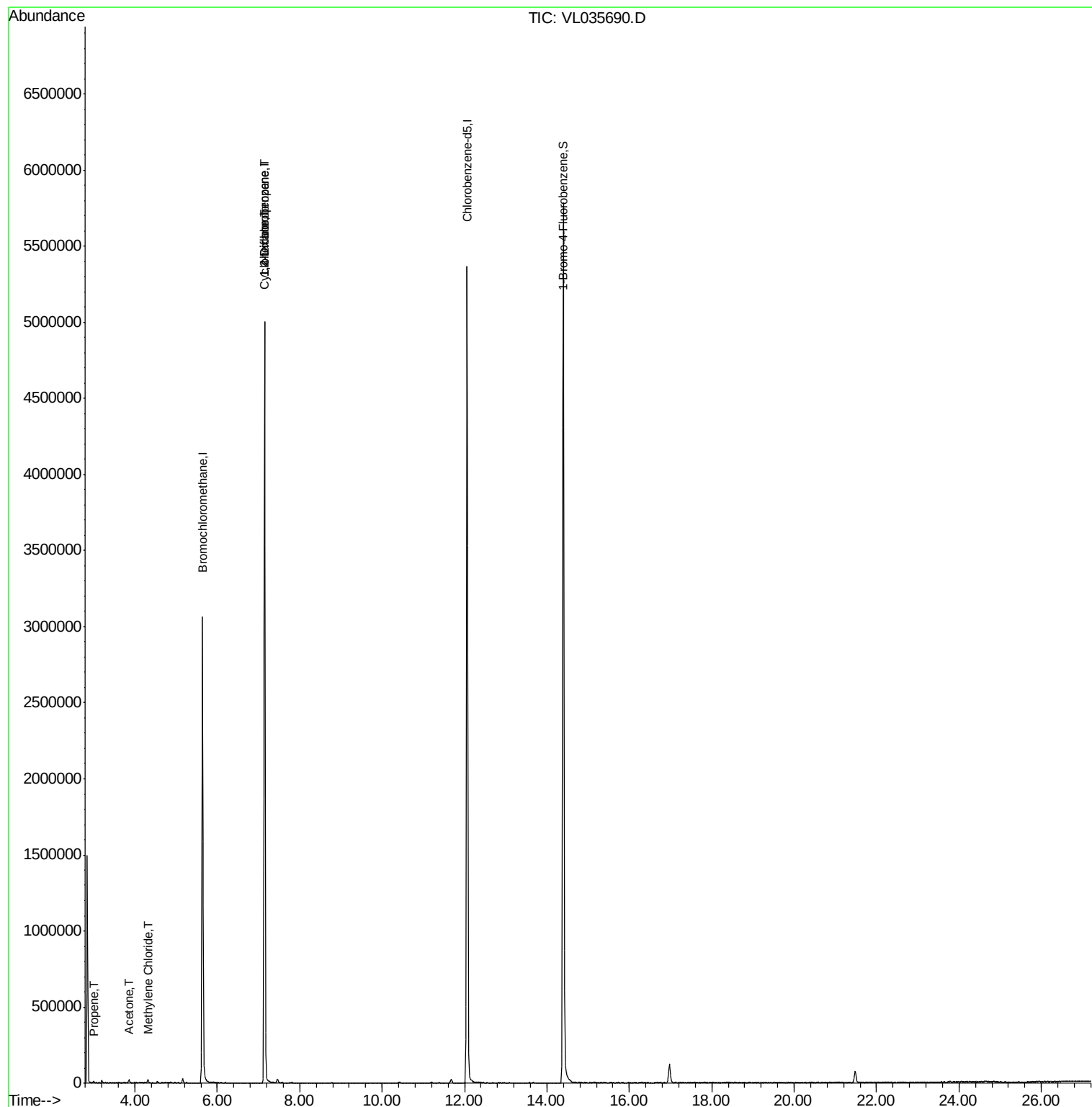
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	3250	0.074	ppbv	95
15) Acetone	3.85	43	16200	0.142	ppbv #	35
20) Methylene Chloride	4.32	84	9907	0.117	ppbv #	92
30) Cyclohexane	7.13	84	9354	0.077	ppbv #	12
39) 1,2-Dichloropropane	7.15	63	755171	8.850	ppbv #	33

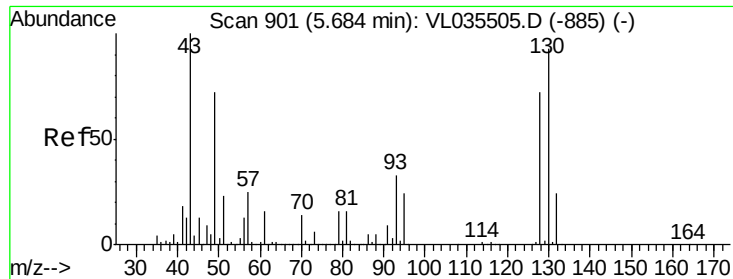
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092120\
Data File : VL035690.D
Acq On : 21 Sep 2020 17:44
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Sep 22 01:28:57 2020
Quant Method : Z:\V0ASRV\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

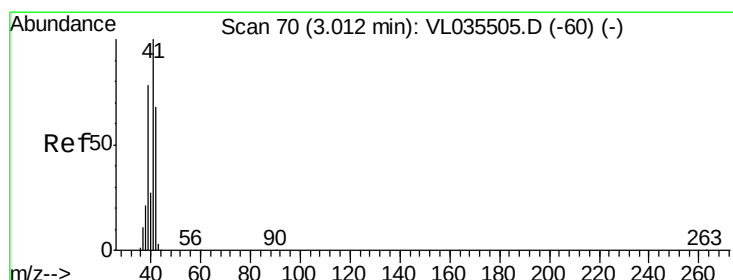
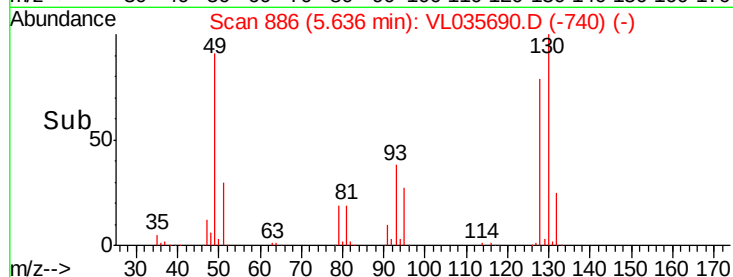
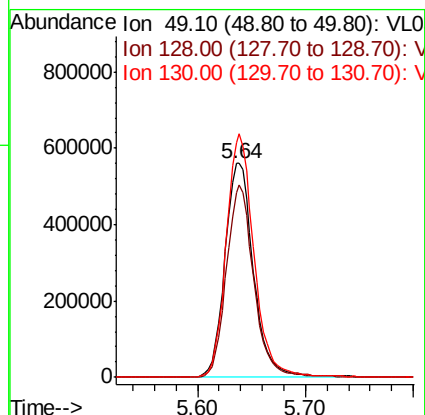
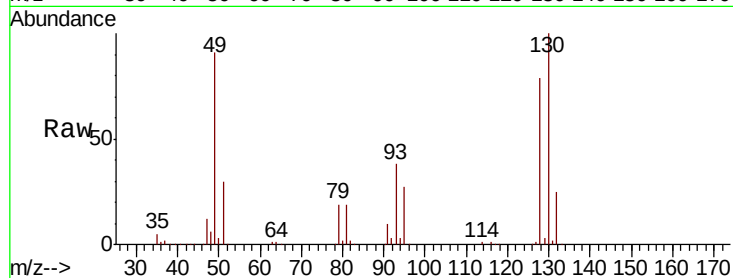




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.03 min
 Lab File: VL035690.D
 Acq: 21 Sep 2020 17:44

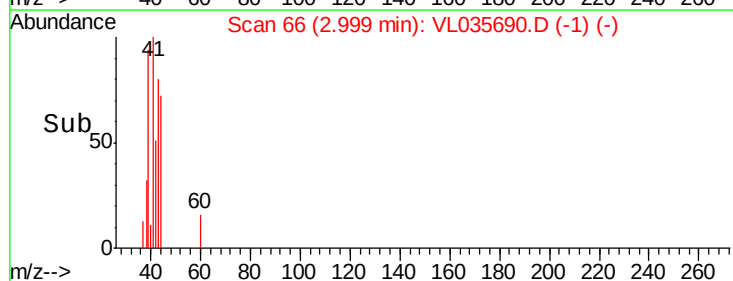
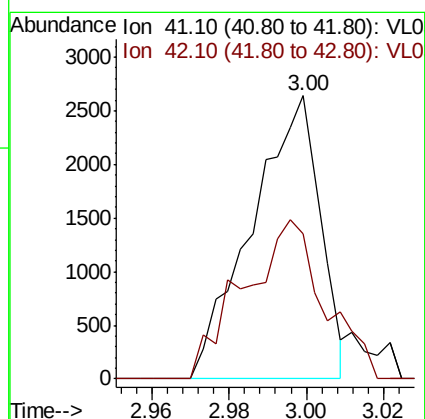
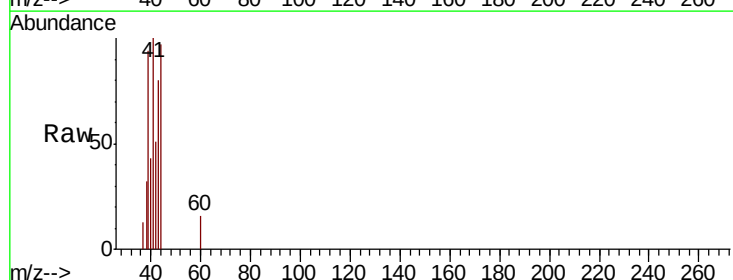
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

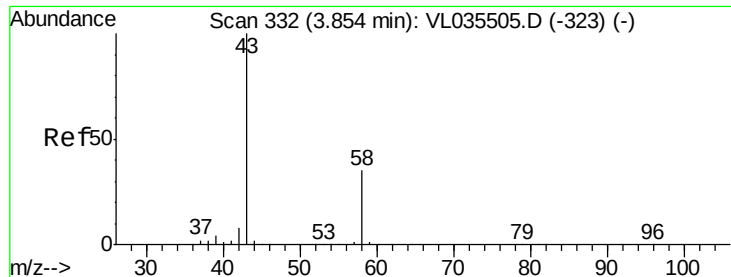
Tot Ion: 49 Resp: 1033289
 Ion Ratio Lower Upper
 49 100
 128 86.8 50.0 150.1
 130 111.4 64.4 193.2



#9
 Propene
 Concen: 0.074 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: VL035690.D
 Acq: 21 Sep 2020 17:44

Tgt Ion: 41 Resp: 3250
 Ion Ratio Lower Upper
 41 100
 42 66.2 56.3 84.5





#15

Acetone

Concen: 0.142 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035690.D

Acq: 21 Sep 2020 17:44

Instrument :

MSVOA_L

ClientSampleId :

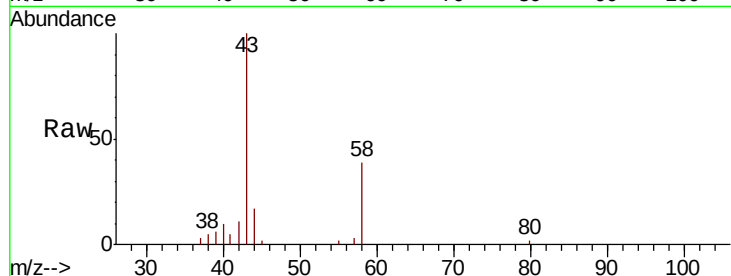
VIBLK

Tot Ion: 43 Resp: 16200

Ion Ratio Lower Upper

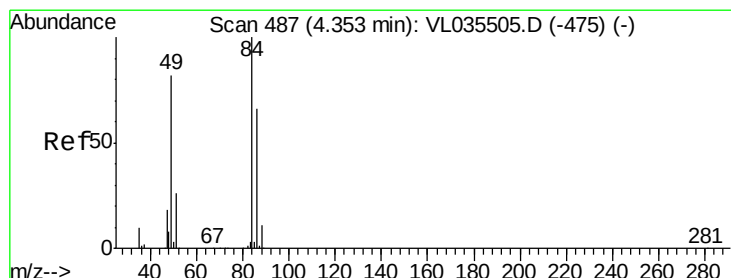
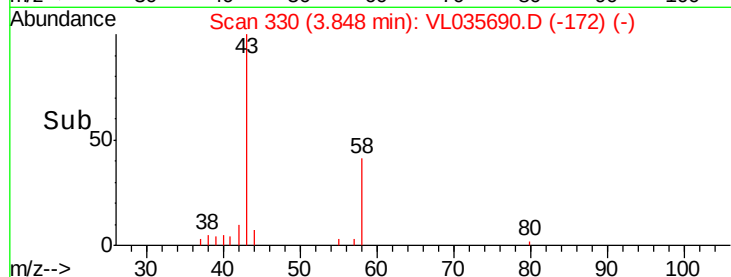
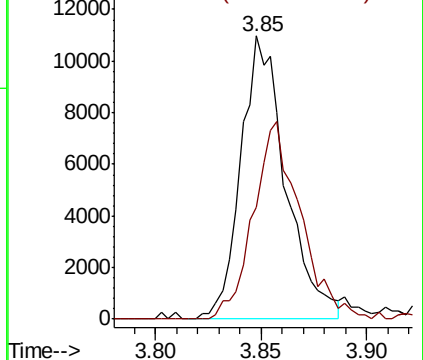
43 100

58 73.4 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.117 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.02 min

Lab File: VL035690.D

Acq: 21 Sep 2020 17:44

Tgt Ion: 84 Resp: 9907

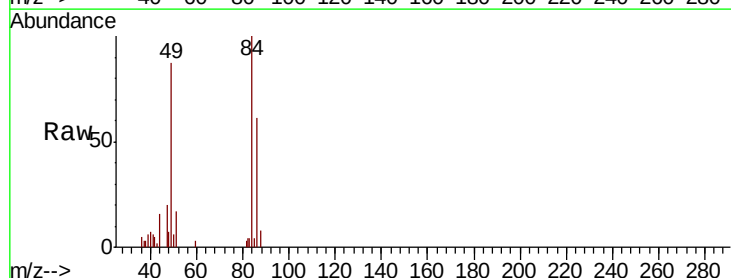
Ion Ratio Lower Upper

84 100

49 86.8 65.4 98.0

51 17.2 21.5 32.3#

86 61.1 52.9 79.3

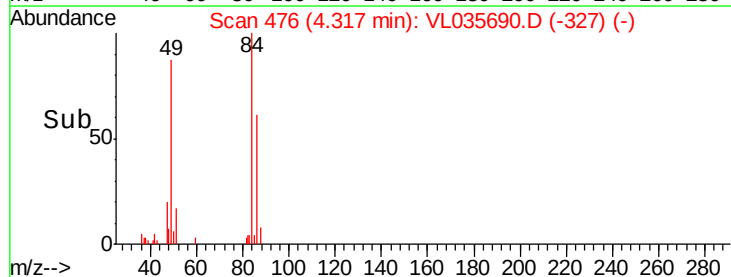
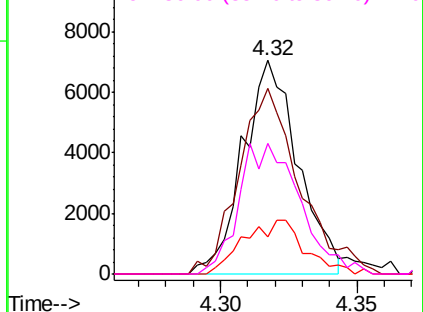


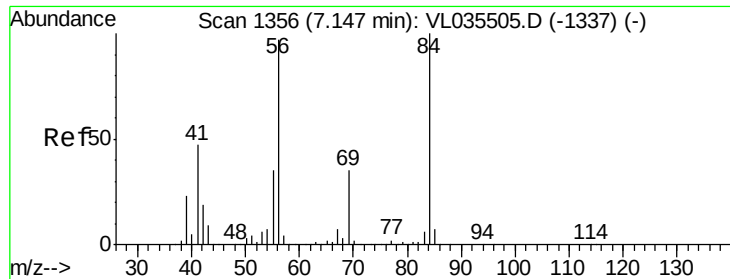
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

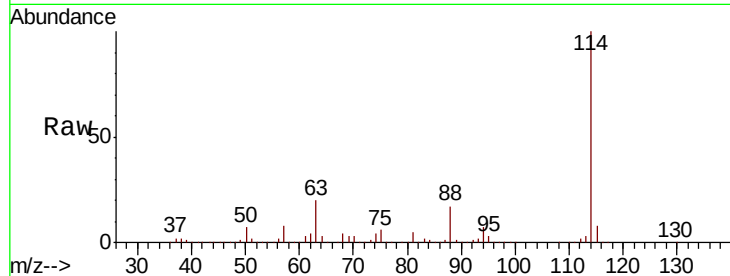




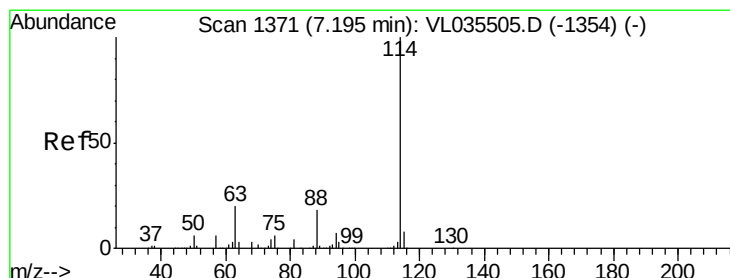
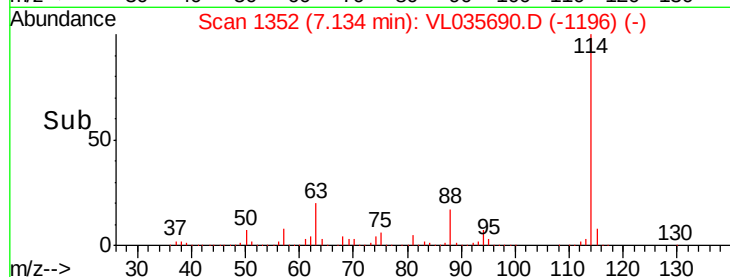
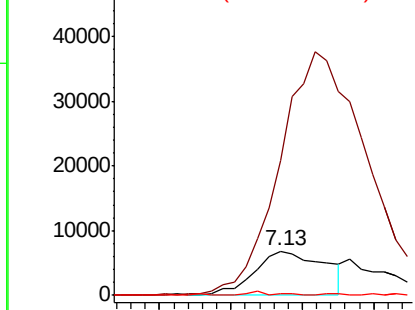
#30
Cyclohexane
Concen: 0.077 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL035690.D
Acq: 21 Sep 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 9354
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 4.6 38.1 57.1#

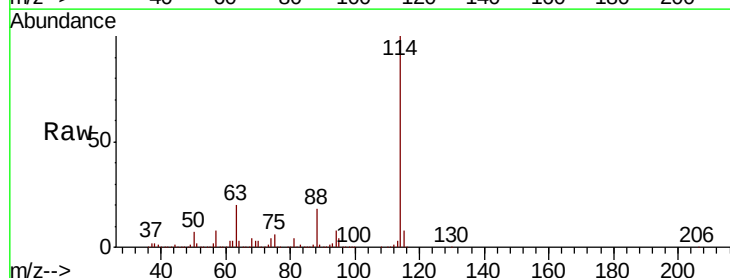


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

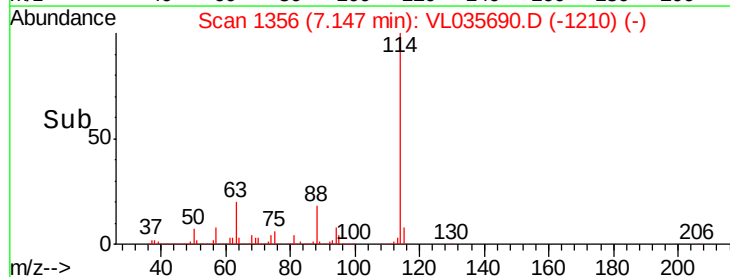
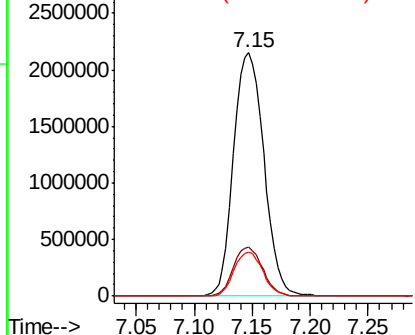


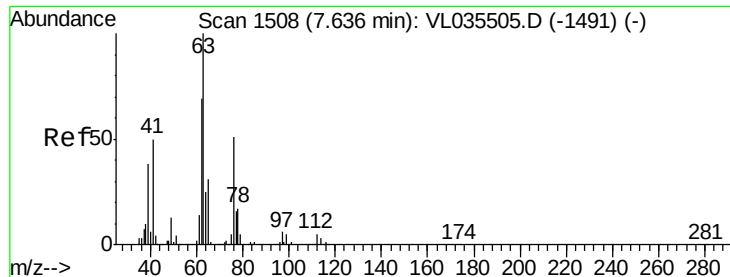
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL035690.D
Acq: 21 Sep 2020 17:44

Tgt Ion: 114 Resp: 3902416
Ion Ratio Lower Upper
114 100
63 19.4 14.7 22.1
88 17.2 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: 8.850 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.47 min

Lab File: VL035690.D

Acq: 21 Sep 2020 17:44

Instrument :

MSVOA_L

ClientSampleID :

VIBLK

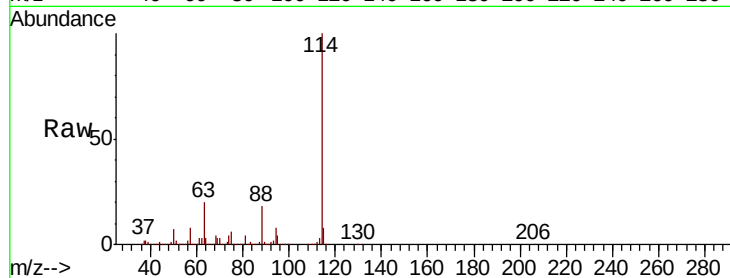
Tot Ion: 63 Resp: 755171

Ion Ratio Lower Upper

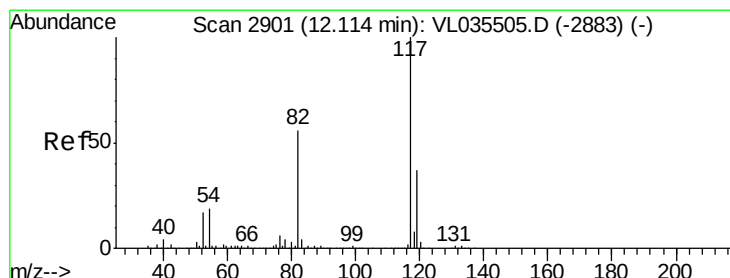
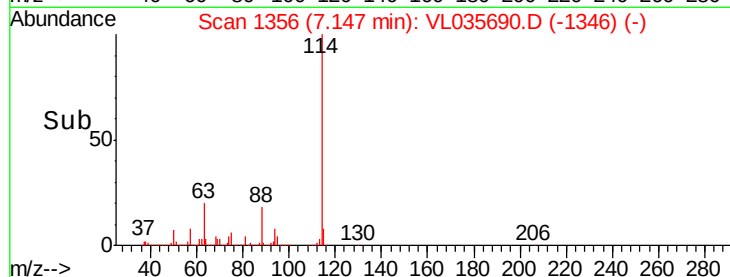
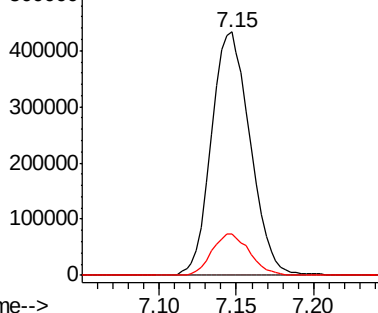
63 100

41 0.0 40.0 60.0#

62 17.2 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# 2885

Delta R.T. -0.03 min

Lab File: VL035690.D

Acq: 21 Sep 2020 17:44

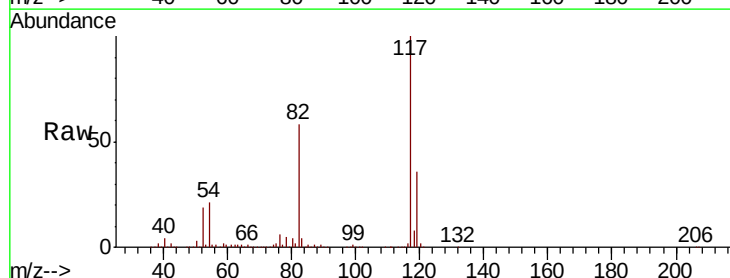
Tgt Ion: 117 Resp: 3818054

Ion Ratio Lower Upper

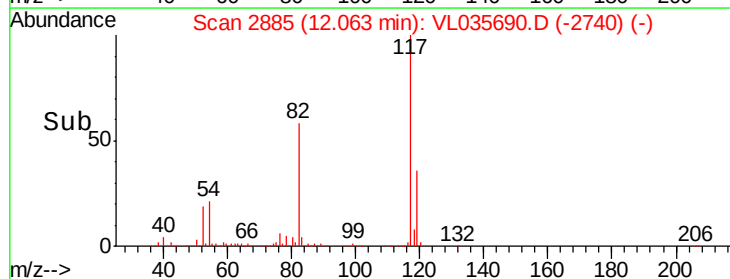
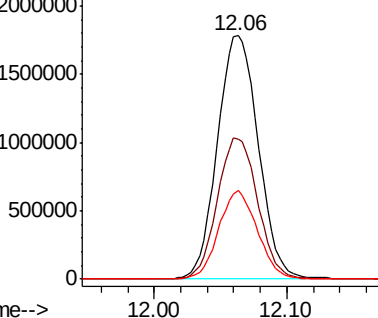
117 100

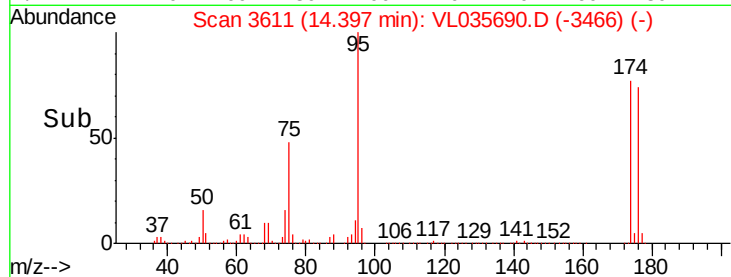
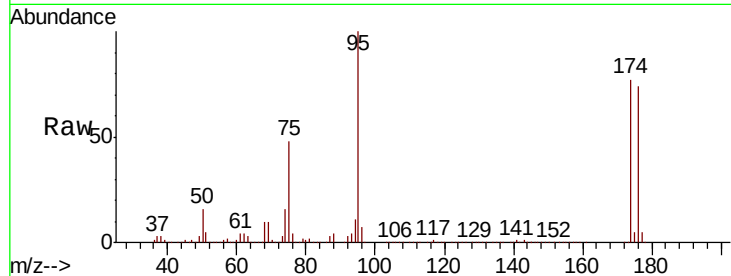
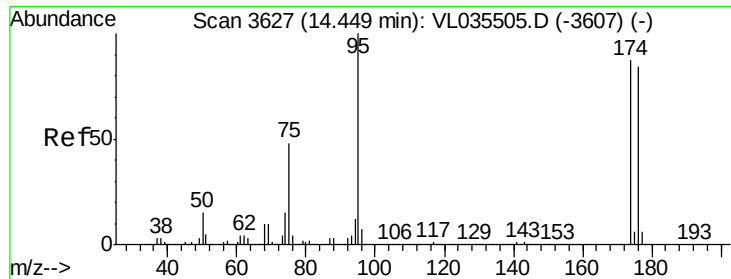
82 57.8 41.6 62.4

119 34.7 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: 10.623 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL035690.D

Acq: 21 Sep 2020 17:44

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2880358

Ion Ratio Lower Upper

95 100

174 78.3 69.6 104.4

175 5.6 5.1 7.7

Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

