

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035698.D
 Acq On : 21 Sep 2020 22:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 22 01:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	955364	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3634513	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3564071	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2651202	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

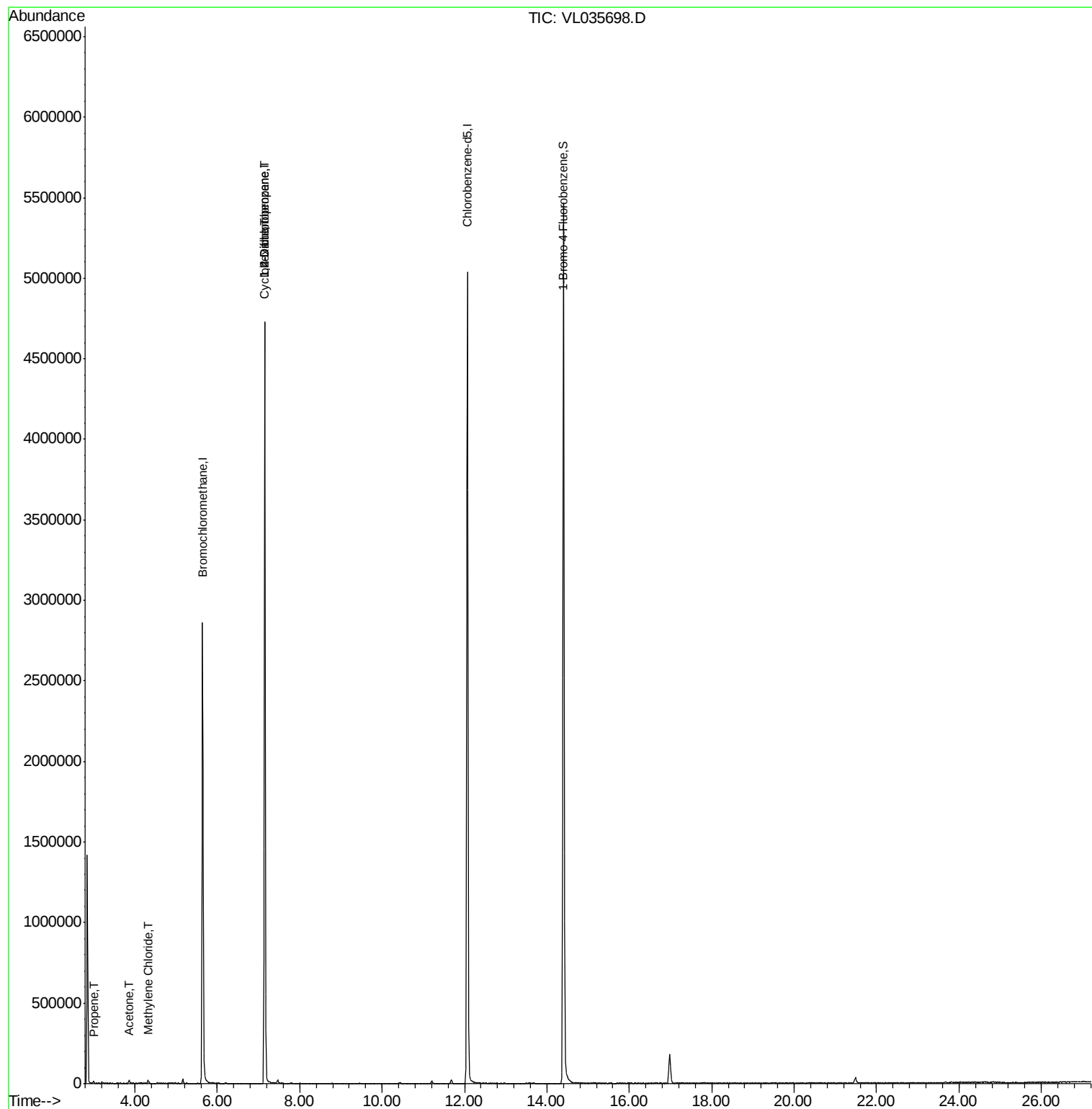
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	3630	0.089	ppbv #	80
15) Acetone	3.85	43	15292	0.145	ppbv #	40
20) Methylene Chloride	4.32	84	9469	0.121	ppbv	96
30) Cyclohexane	7.14	84	4146	0.037	ppbv #	14
39) 1,2-Dichloropropane	7.15	63	697007	8.770	ppbv #	32

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

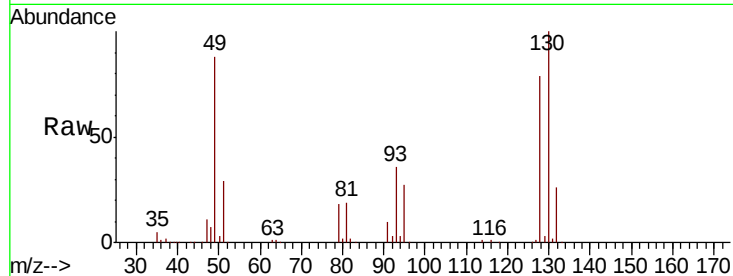
Tot Ion: 49 Resp: 955364

Ion Ratio Lower Upper

49 100

128 87.1 50.0 150.1

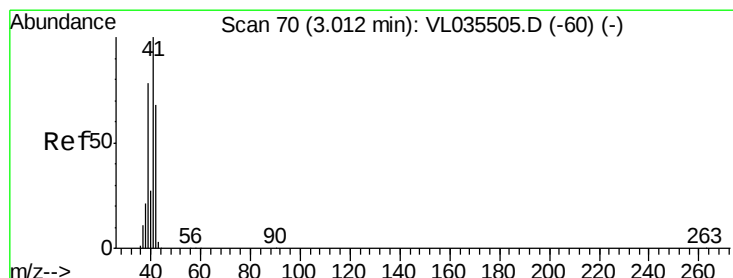
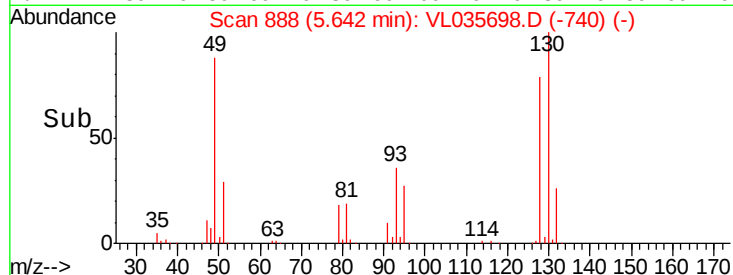
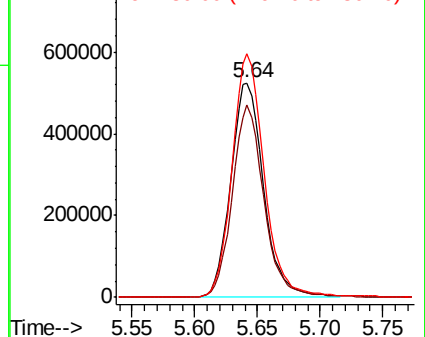
130 111.4 64.4 193.2



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: 0.089 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035698.D

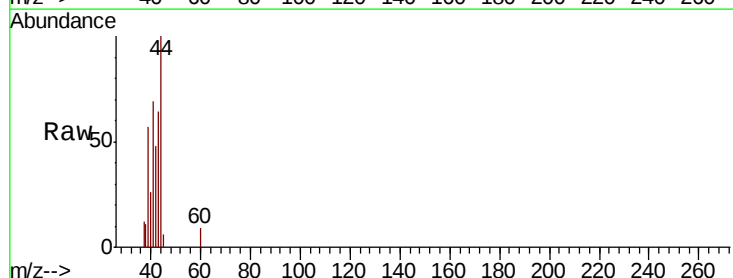
Acq: 21 Sep 2020 22:47

Tgt Ion: 41 Resp: 3630

Ion Ratio Lower Upper

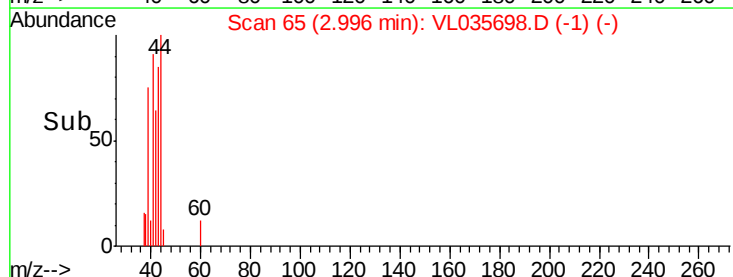
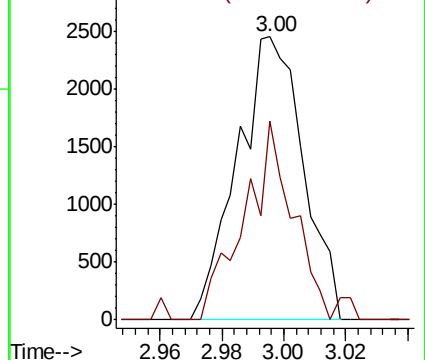
41 100

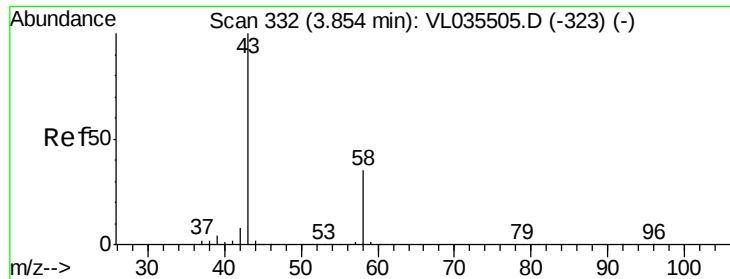
42 53.6 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.145 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL035698.D

Acq: 21 Sep 2020 22:47

Instrument :

MSVOA_L

ClientSampleId :

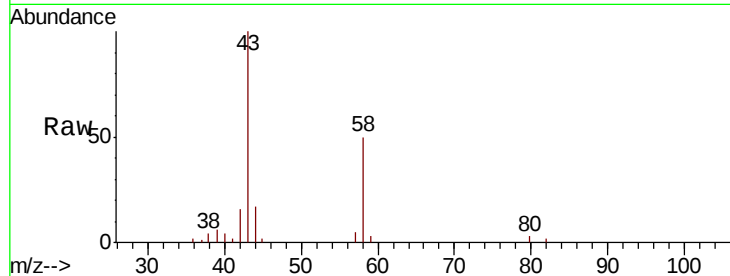
VIBLK

Tot Ion: 43 Resp: 15292

Ion Ratio Lower Upper

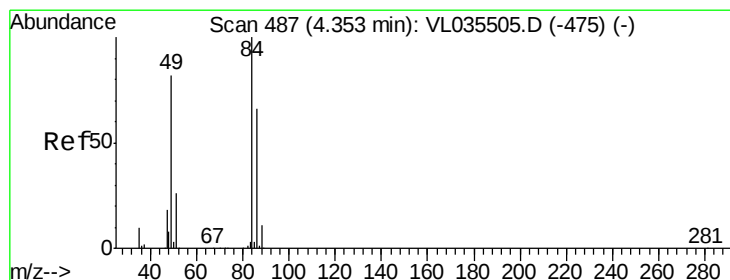
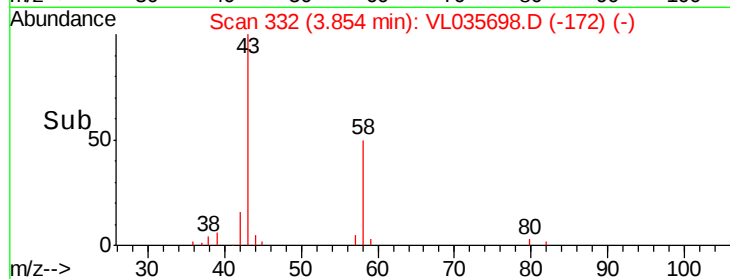
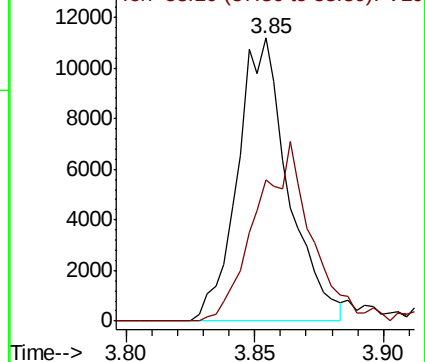
43 100

58 70.8 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: 0.121 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035698.D

Acq: 21 Sep 2020 22:47

Tgt Ion: 84 Resp: 9469

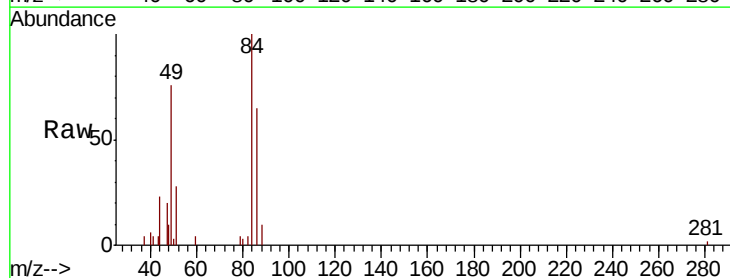
Ion Ratio Lower Upper

84 100

49 76.5 65.4 98.0

51 28.3 21.5 32.3

86 64.7 52.9 79.3

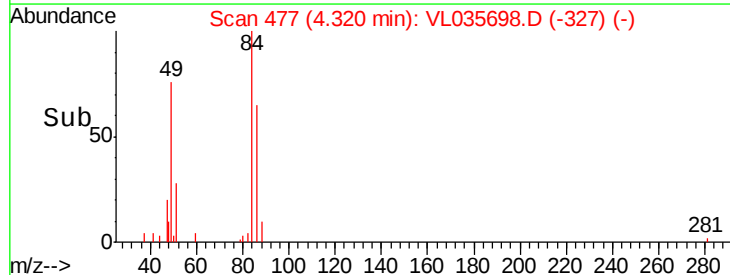
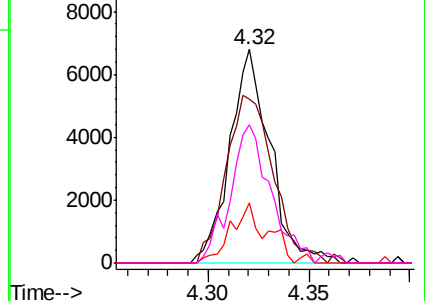


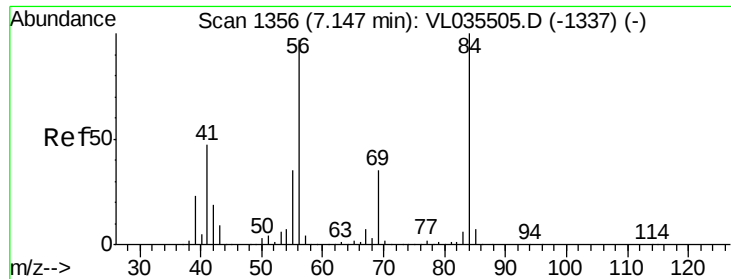
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

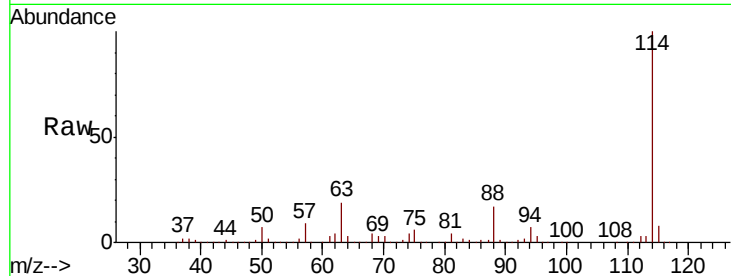




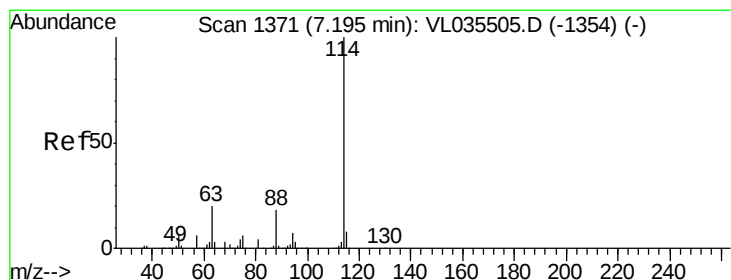
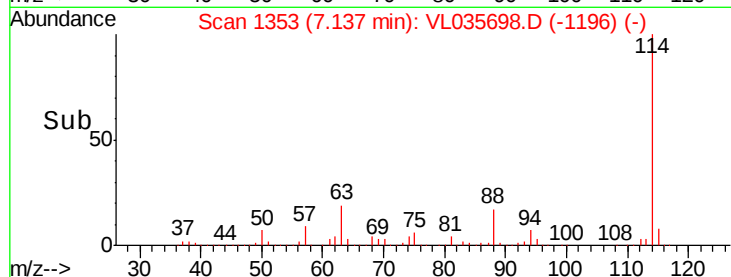
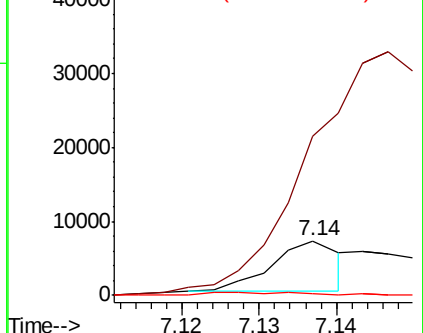
#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035698.D
Acq: 21 Sep 2020 22:47

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 4146
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 8.8 38.1 57.1#

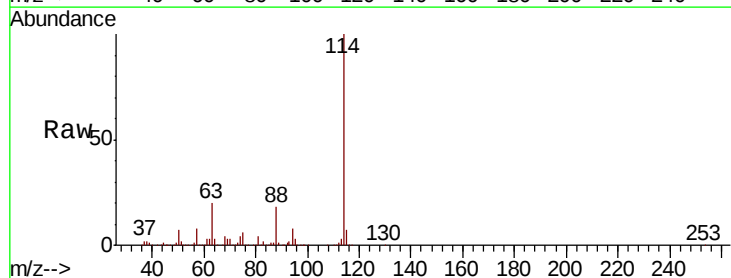


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

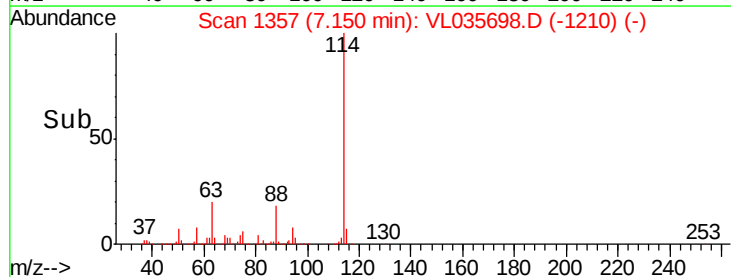
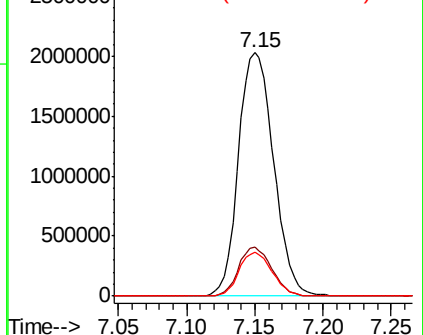


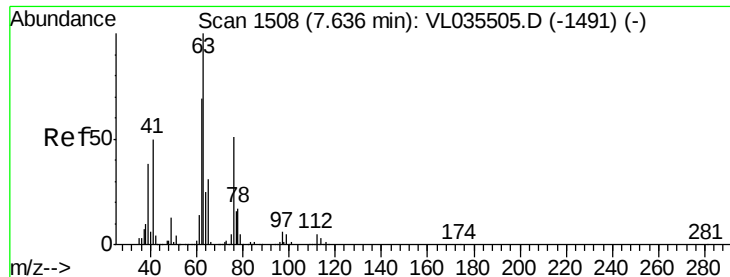
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL035698.D
Acq: 21 Sep 2020 22:47

Tgt Ion: 114 Resp: 3634513
Ion Ratio Lower Upper
114 100
63 19.3 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: 8.770 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.46 min

Lab File: VL035698.D

Acq: 21 Sep 2020 22:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

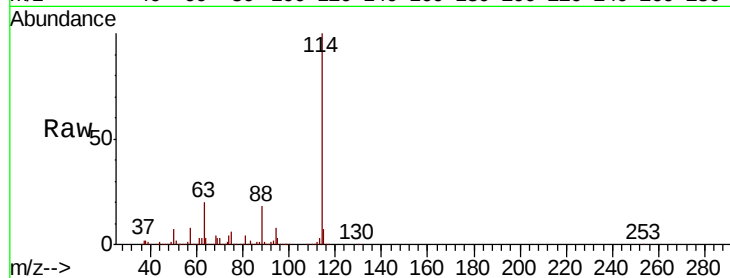
Tot Ion: 63 Resp: 697007

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

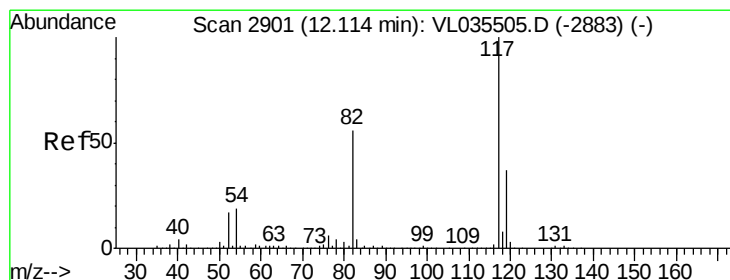
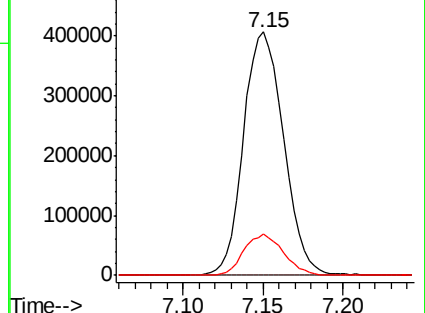
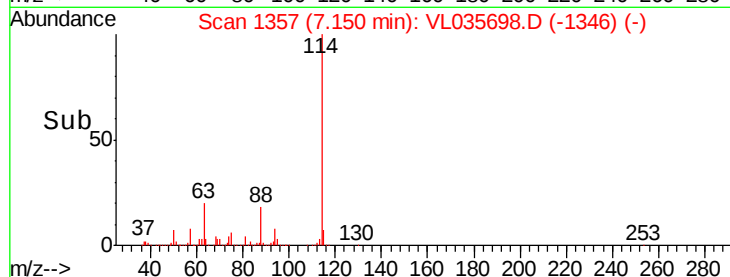
62 16.7 55.4 83.0#



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: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL035698.D

Acq: 21 Sep 2020 22:47

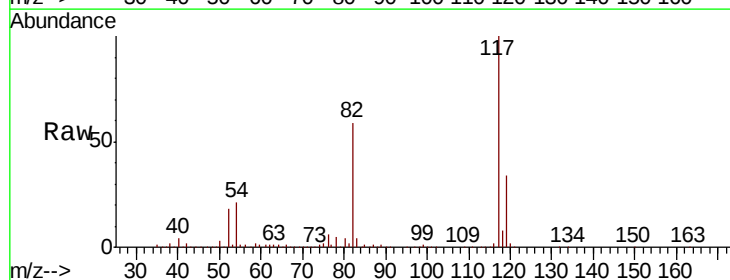
Tgt Ion:117 Resp: 3564071

Ion Ratio Lower Upper

117 100

82 57.7 41.6 62.4

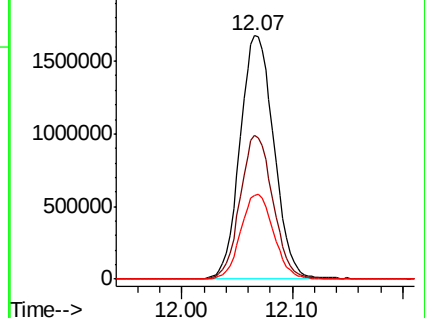
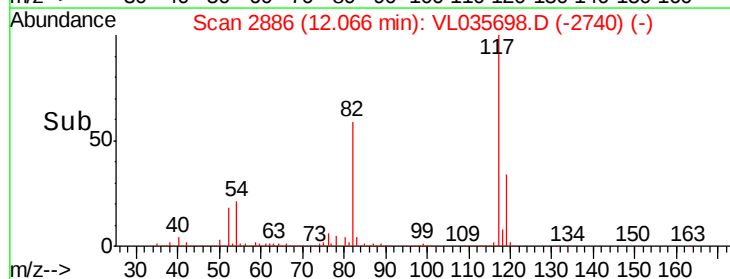
119 34.1 29.3 43.9

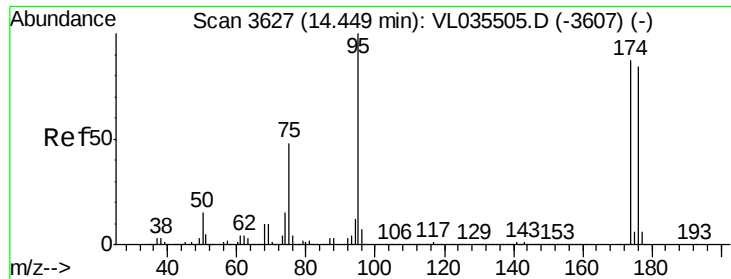


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.475 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL035698.D

Acq: 21 Sep 2020 22:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

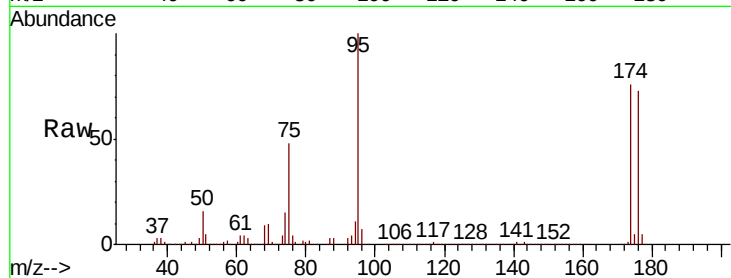
Tot Ion: 95 Resp: 2651202

Ion Ratio Lower Upper

95 100

174 77.6 69.6 104.4

175 5.5 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

