

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035771.D
 Acq On : 12 Oct 2020 21:10
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 13 00:07:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1085564	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4598453	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4493510	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3250380	9.65	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

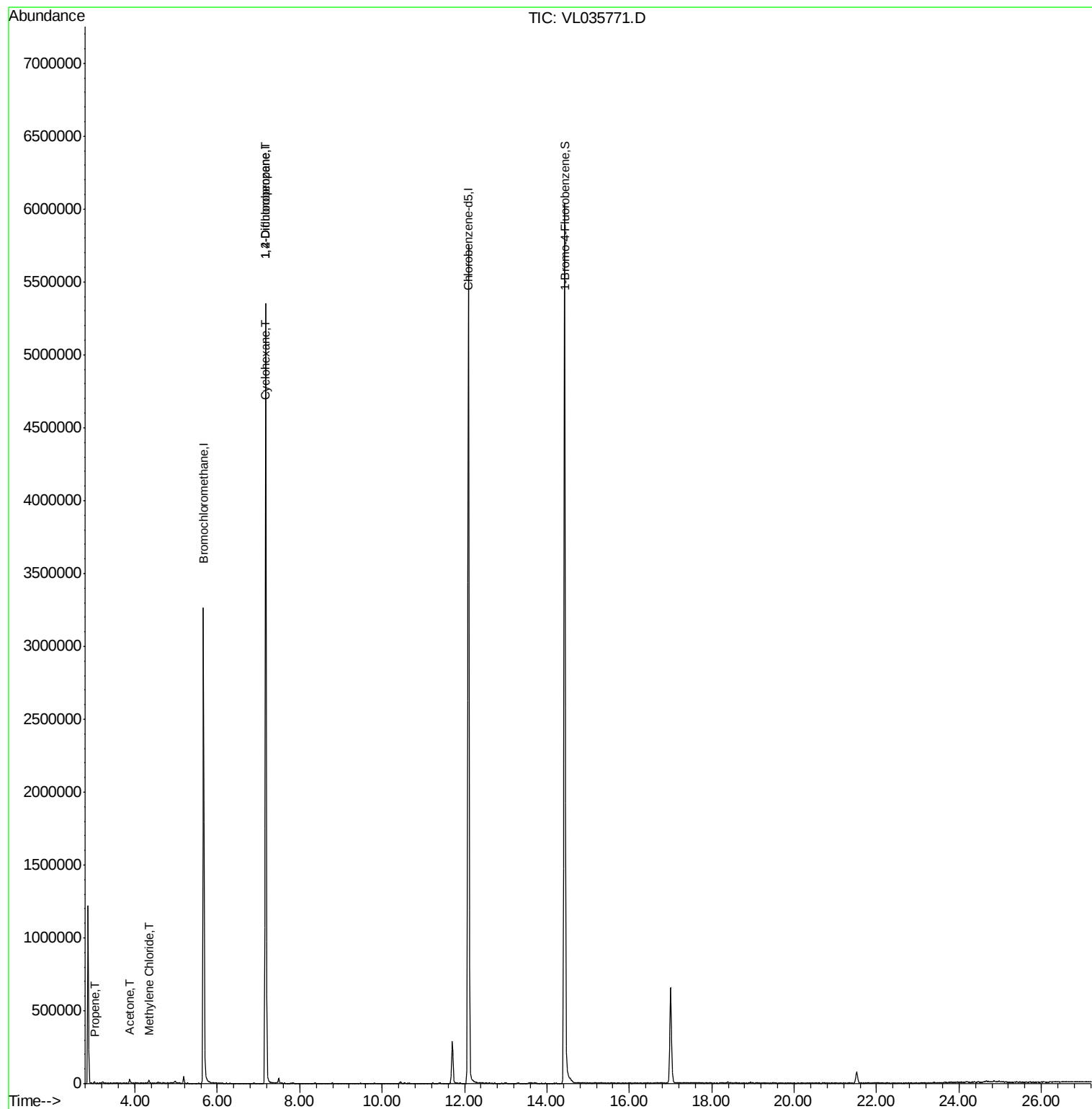
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3267	0.077	ppbv #	75
15) Acetone	3.87	43	17992	0.154	ppbv #	14
20) Methylene Chloride	4.34	84	5310	0.062	ppbv	95
30) Cyclohexane	7.16	84	4072	0.036	ppbv #	7
39) 1,2-Dichloropropane	7.17	63	854069	7.864	ppbv #	30

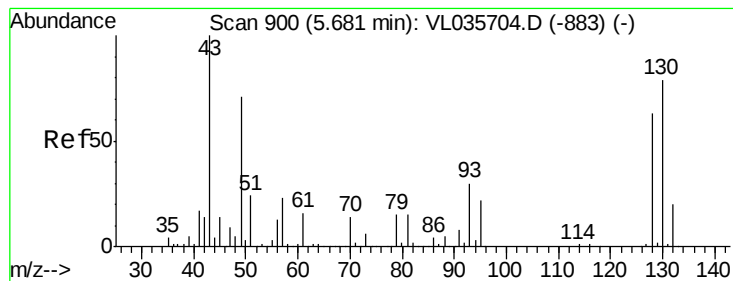
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035771.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

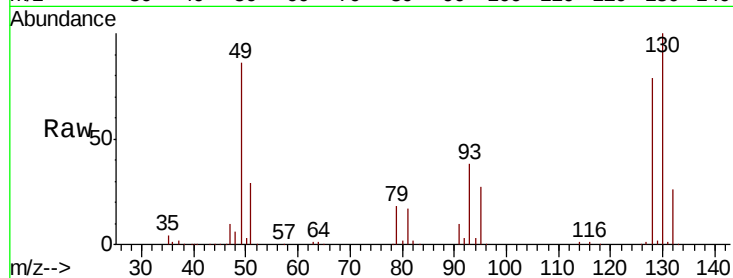
Tot Ion: 49 Resp: 1085564

Ion Ratio Lower Upper

49 100

128 92.1 43.1 129.4

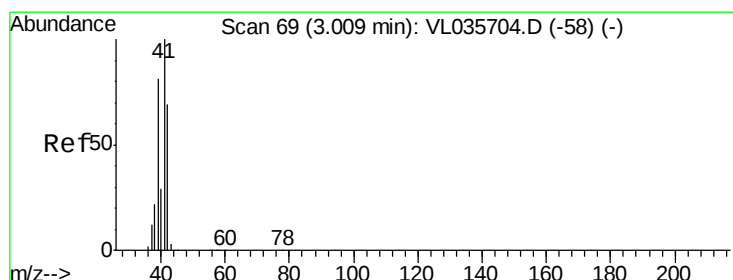
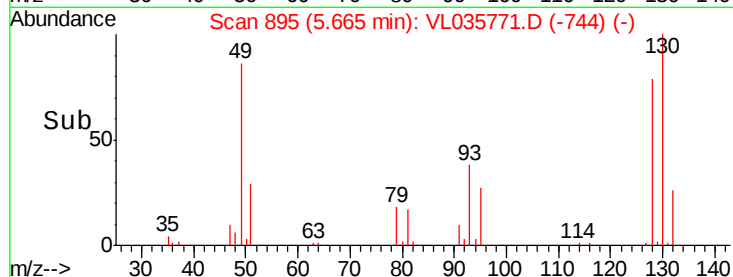
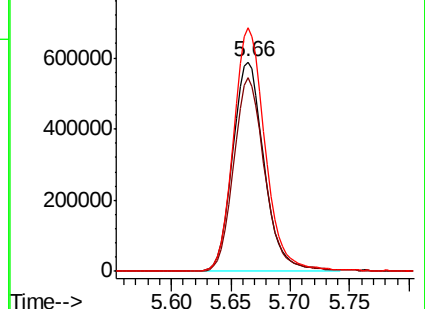
130 117.5 54.9 164.7



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: 0.077 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035771.D

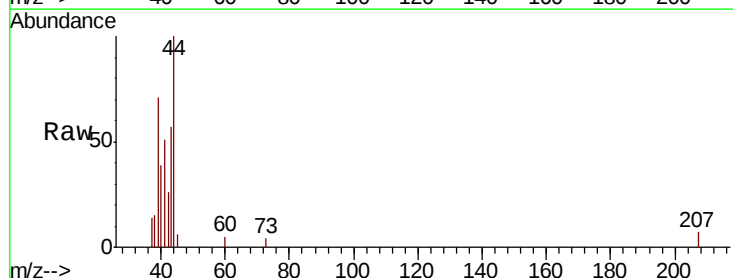
Acq: 12 Oct 2020 21:10

Tgt Ion: 41 Resp: 3267

Ion Ratio Lower Upper

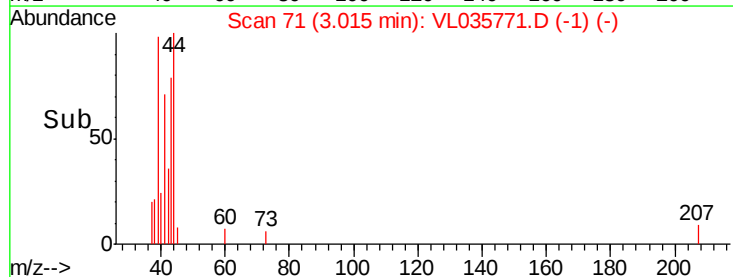
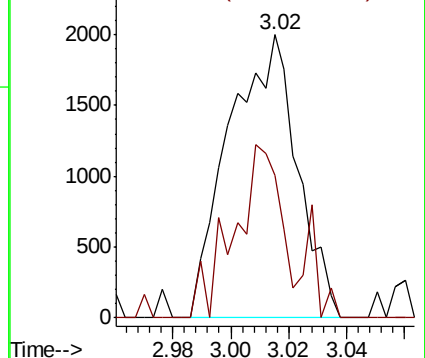
41 100

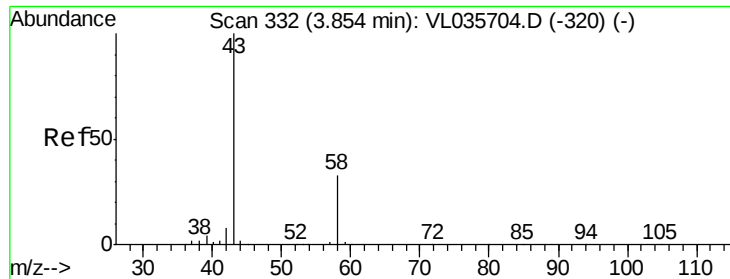
42 49.4 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.154 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL035771.D

Acq: 12 Oct 2020 21:10

Instrument :

MSVOA_L

ClientSampled :

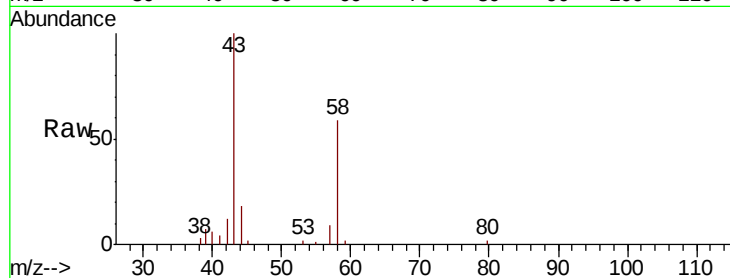
VIBLK

Tot Ion: 43 Resp: 17992

Ion Ratio Lower Upper

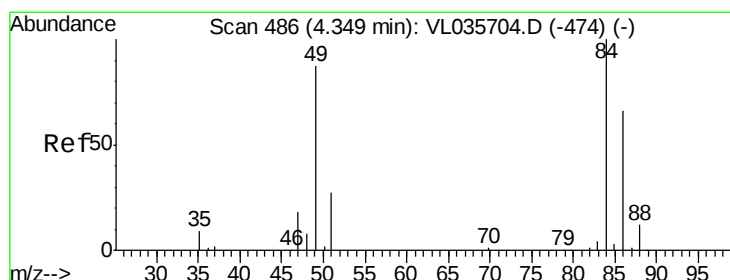
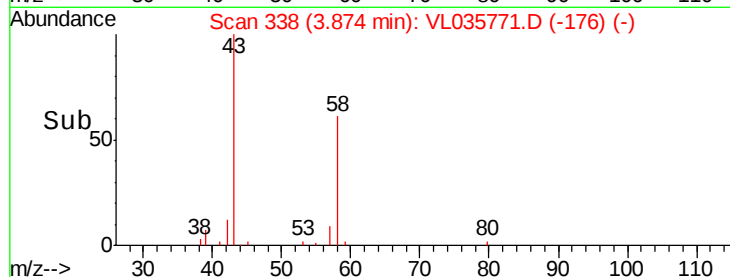
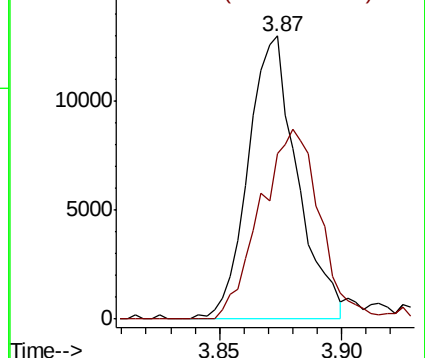
43 100

58 83.5 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.062 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL035771.D

Acq: 12 Oct 2020 21:10

Tgt Ion: 84 Resp: 5310

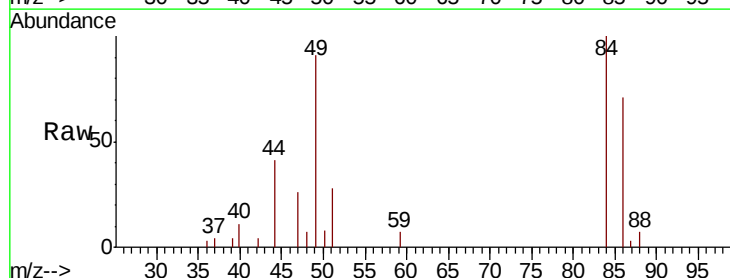
Ion Ratio Lower Upper

84 100

49 90.8 69.8 104.6

51 28.5 21.8 32.8

86 71.1 52.6 78.8

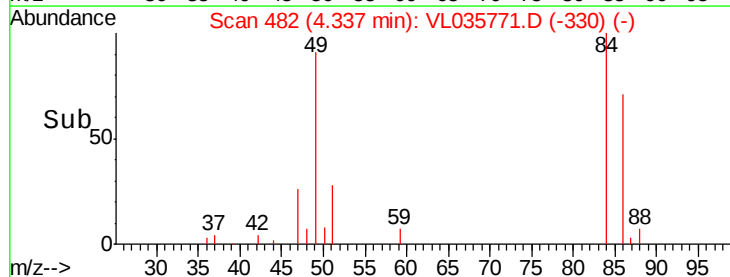
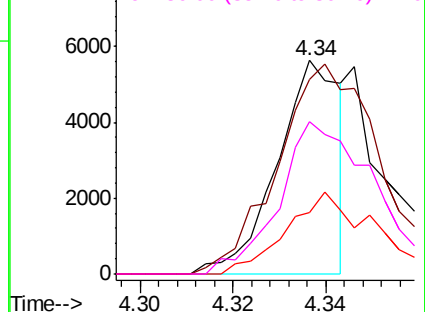


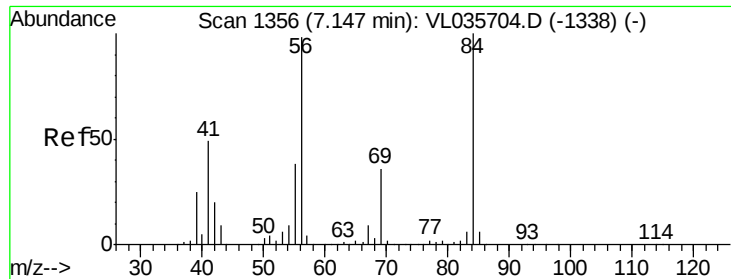
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

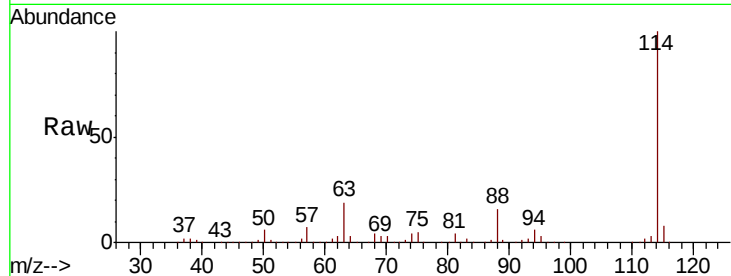




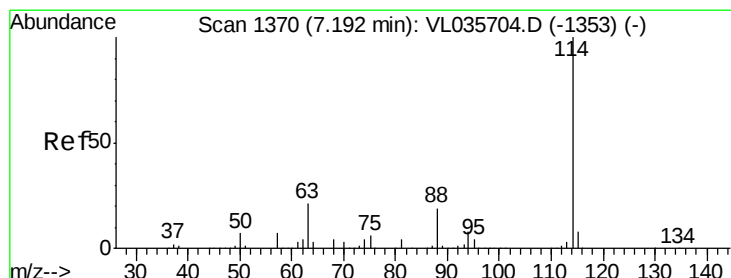
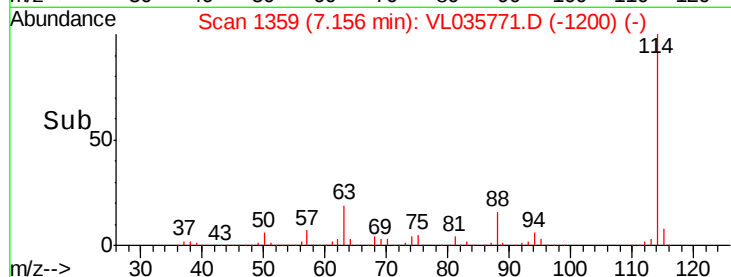
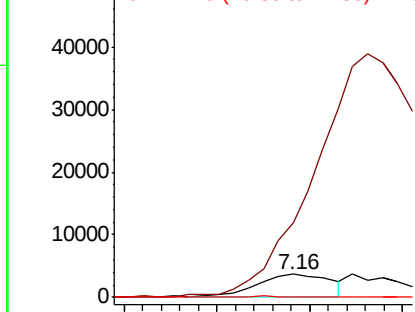
#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VL035771.D
Acq: 12 Oct 2020 21:10

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 4072
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 0.0 41.1 61.7#

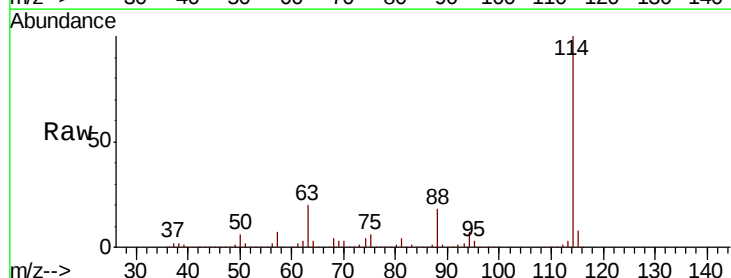


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

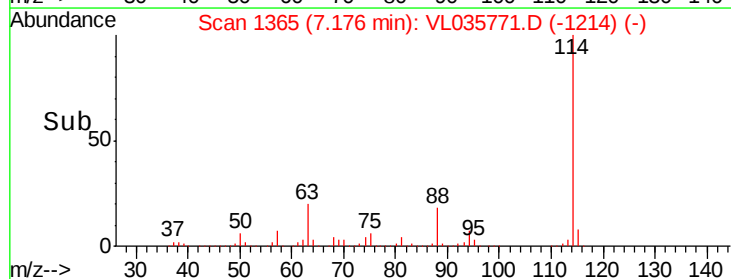
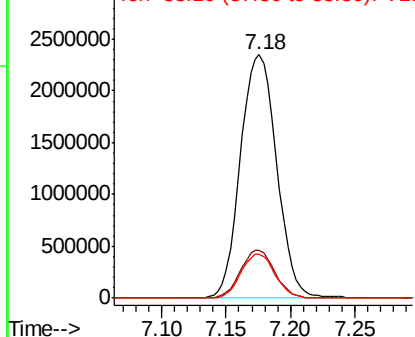


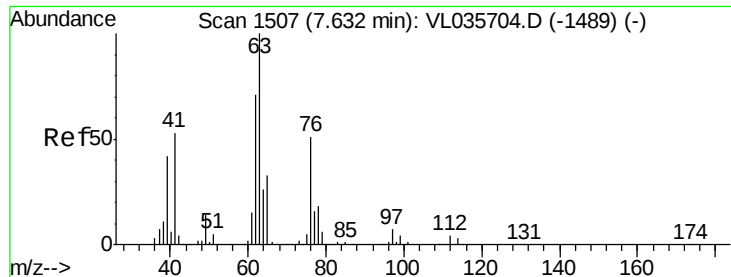
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VL035771.D
Acq: 12 Oct 2020 21:10

Tgt Ion: 114 Resp: 4598453
Ion Ratio Lower Upper
114 100
63 18.7 16.1 24.1
88 17.2 14.1 21.1



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

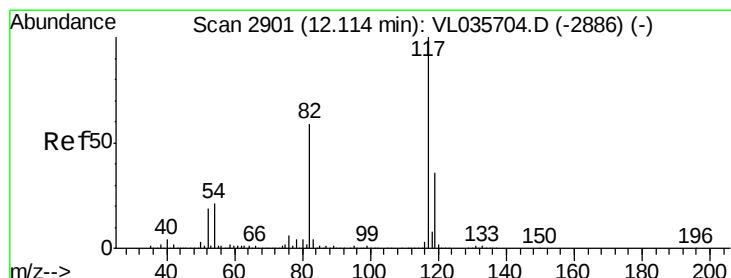
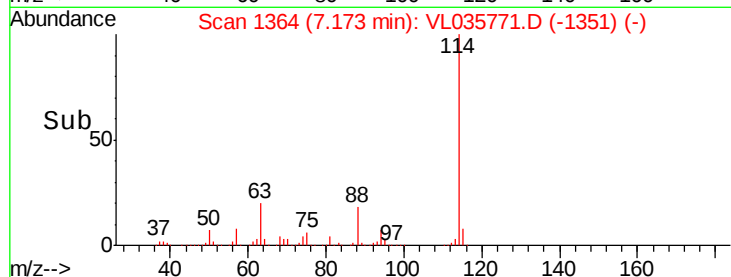
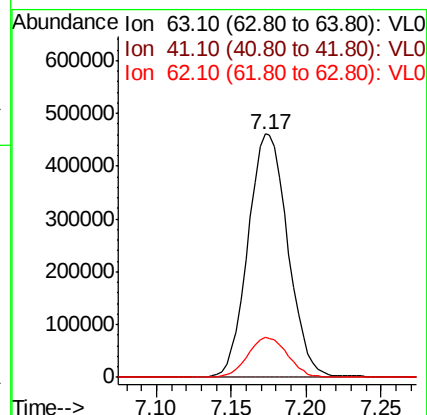
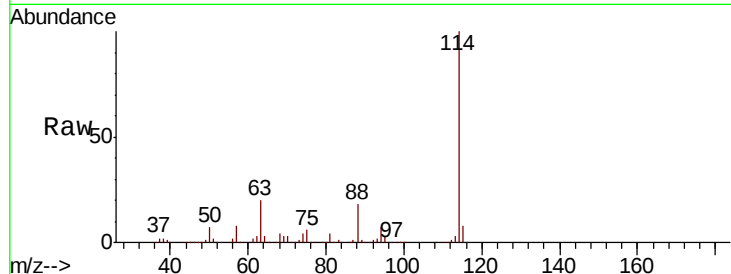




#39
 1,2-Dichloropropane
 Concen: 7.864 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.46 min
 Lab File: VL035771.D
 Acq: 12 Oct 2020 21:10

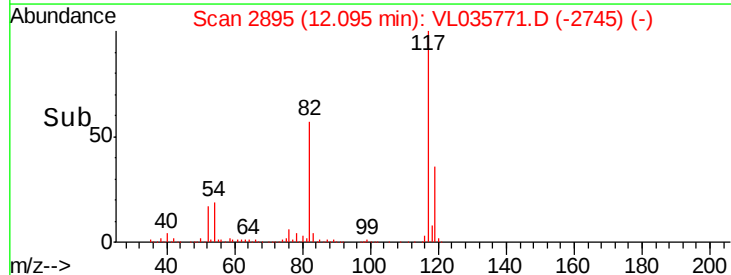
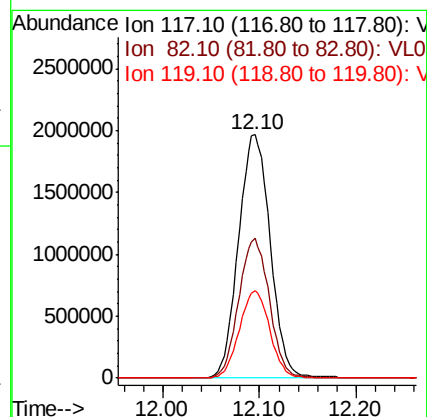
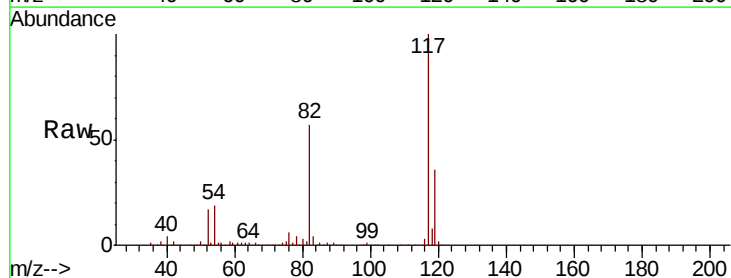
Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

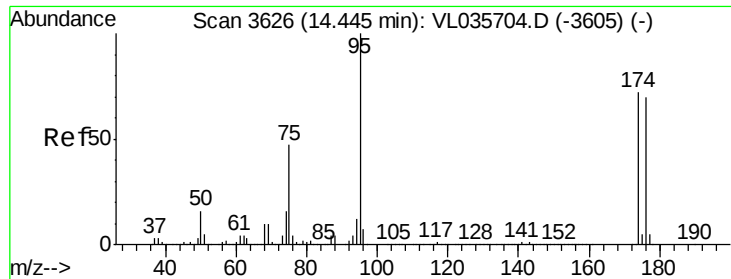
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	16.4	56.5	84.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T. -0.02 min
 Lab File: VL035771.D
 Acq: 12 Oct 2020 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.1	69.1
119	34.4	28.0	42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.653 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.02 min

Lab File: VL035771.D

Acq: 12 Oct 2020 21:10

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

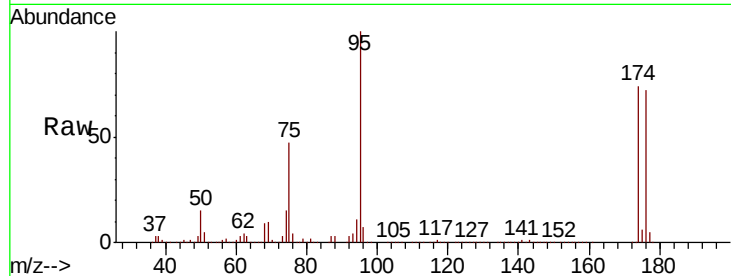
Tot Ion: 95 Resp: 3250380

Ion Ratio Lower Upper

95 100

174 76.7 59.6 89.4

175 5.5 4.2 6.4



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

