

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035777.D
 Acq On : 13 Oct 2020 00:51
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 13 02:04:47 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	5.67	49	898009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3326044	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3281496	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2374319	9.66	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

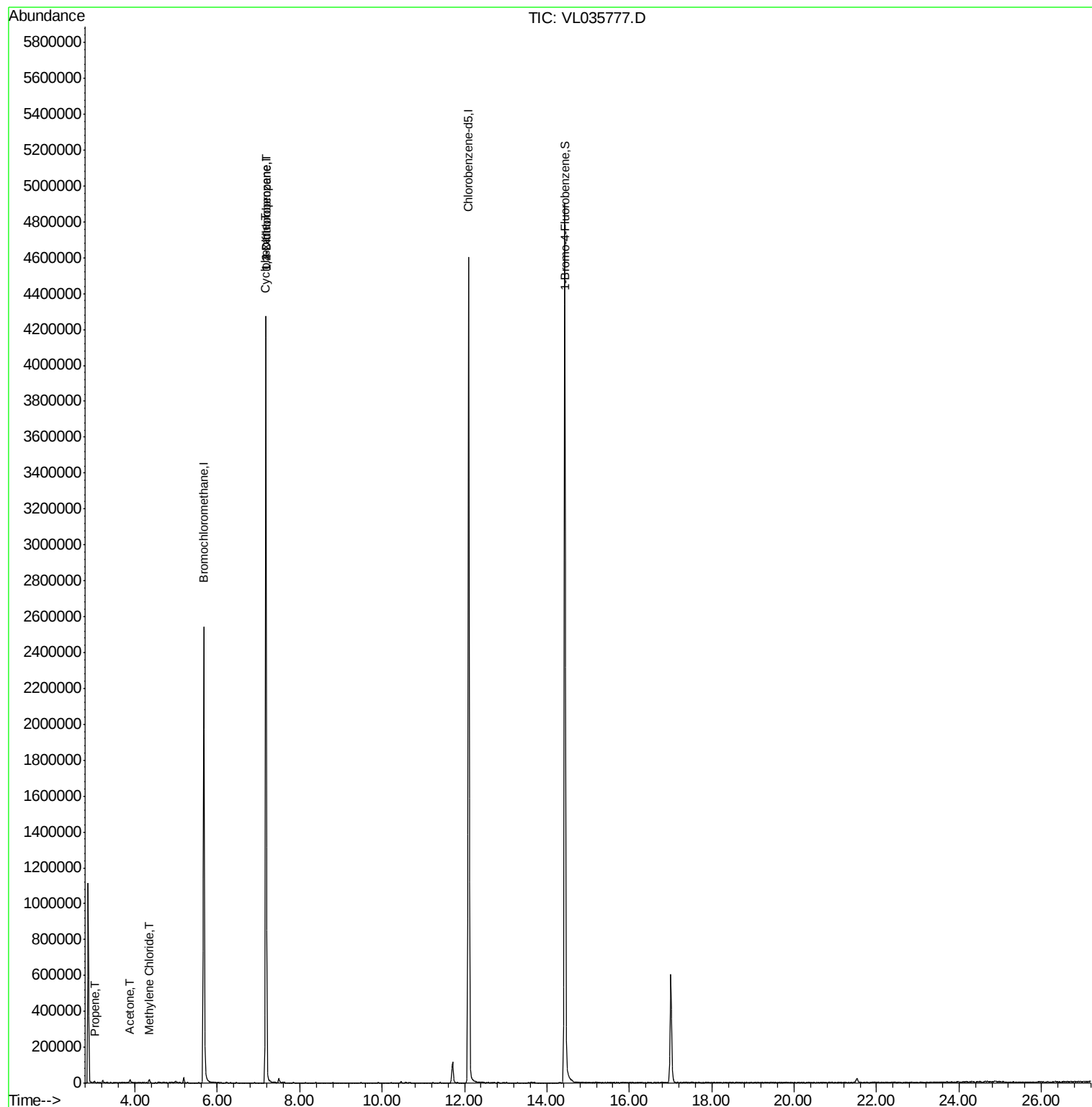
Target Compounds					Ovalue
9) Propene	3.01	41	2016	0.057 ppbv #	15
15) Acetone	3.88	43	15043	0.156 ppbv #	43
20) Methylene Chloride	4.35	84	7279	0.103 ppbv #	89
30) Cyclohexane	7.17	84	5722	0.061 ppbv #	7
39) 1,2-Dichloropropane	7.18	63	649996	8.274 ppbv #	31

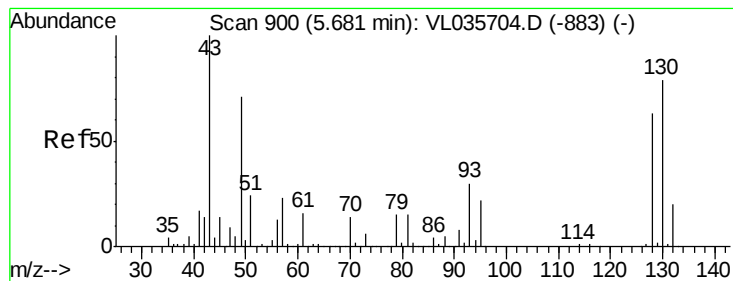
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035777.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

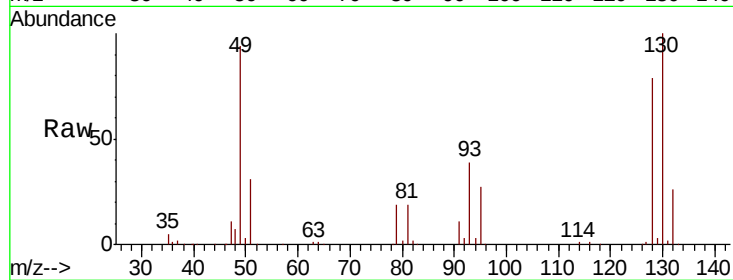
Tot Ion: 49 Resp: 898009

Ion Ratio Lower Upper

49 100

128 82.7 43.1 129.4

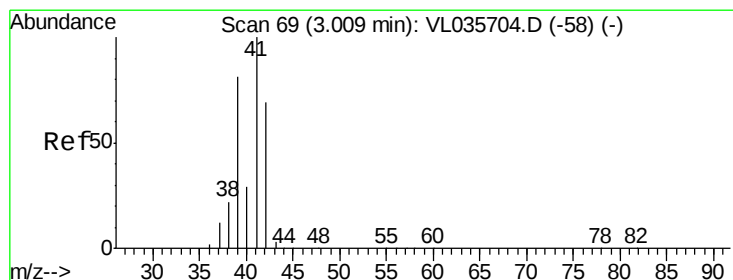
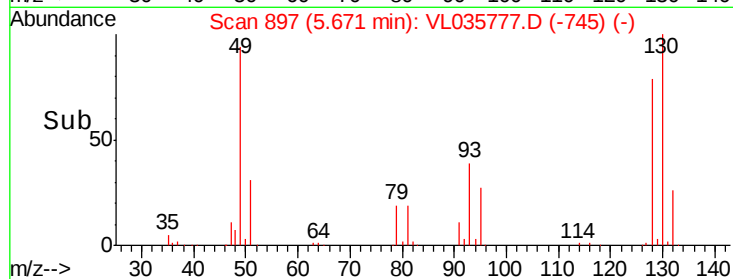
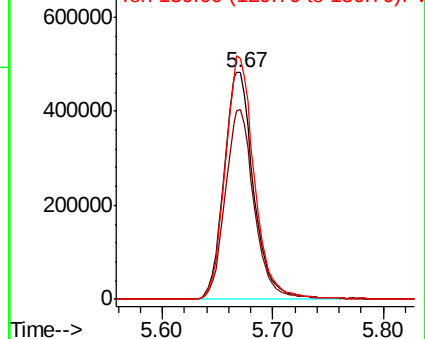
130 106.3 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.057 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL035777.D

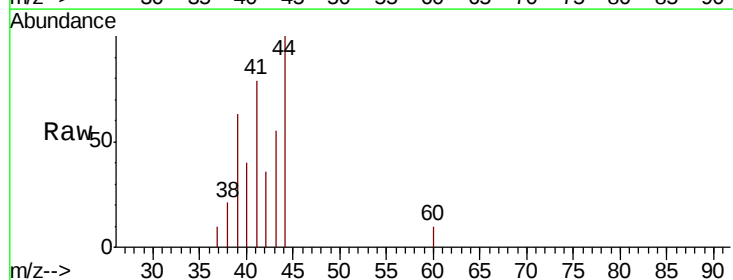
Acq: 13 Oct 2020 00:51

Tgt Ion: 41 Resp: 2016

Ion Ratio Lower Upper

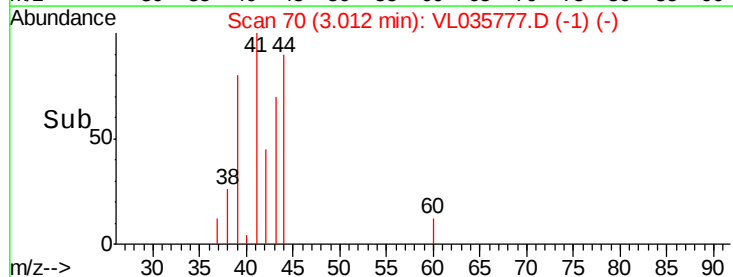
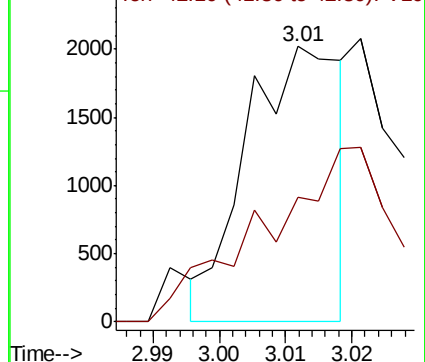
41 100

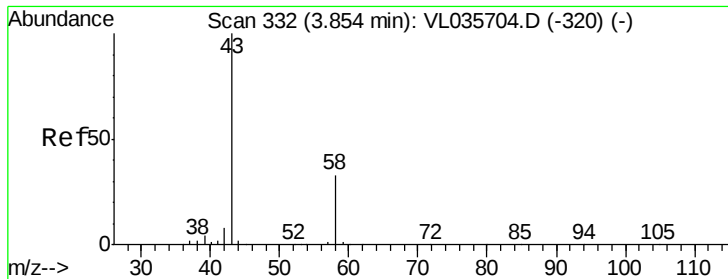
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.156 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.02 min

Lab File: VL035777.D

Acq: 13 Oct 2020 00:51

Instrument :

MSVOA_L

ClientSampled :

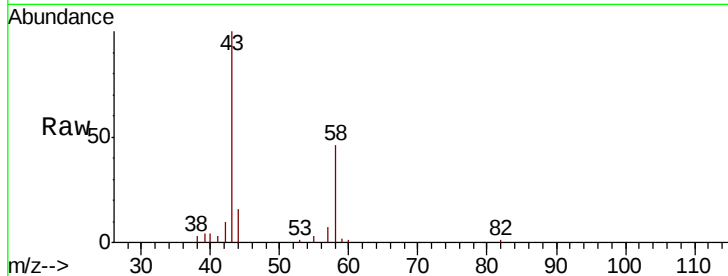
VIBLK

Tot Ion: 43 Resp: 15043

Ion Ratio Lower Upper

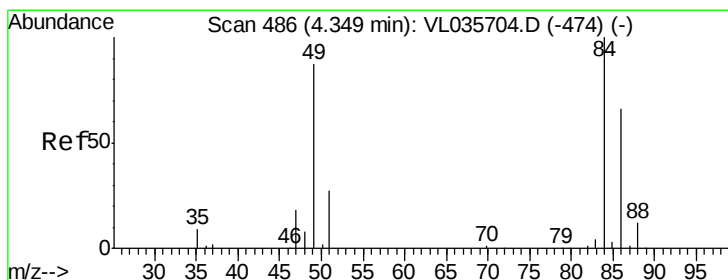
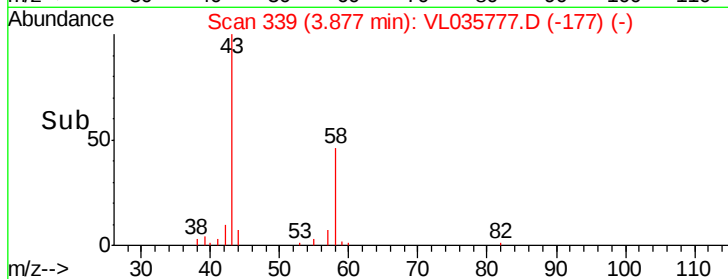
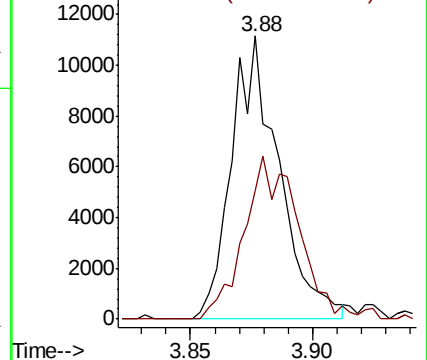
43 100

58 67.0 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: 0.103 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035777.D

Acq: 13 Oct 2020 00:51

Tgt Ion: 84 Resp: 7279

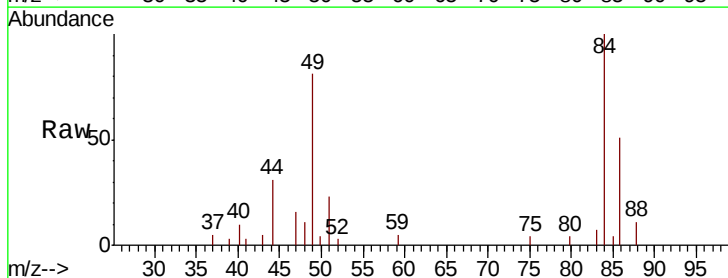
Ion Ratio Lower Upper

84 100

49 81.4 69.8 104.6

51 22.8 21.8 32.8

86 50.6 52.6 78.8#

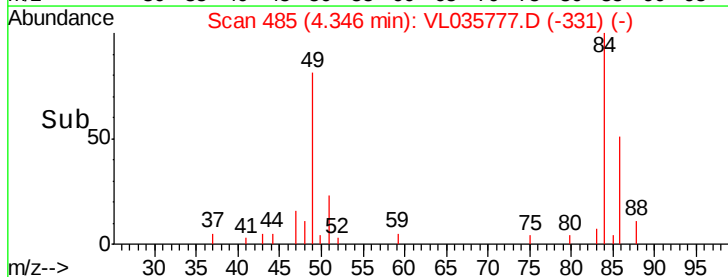
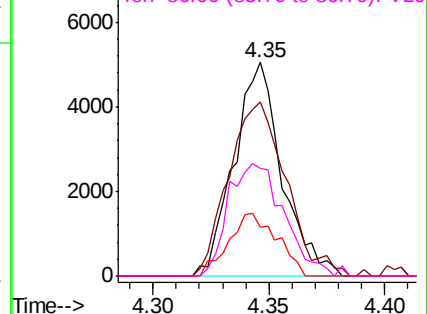


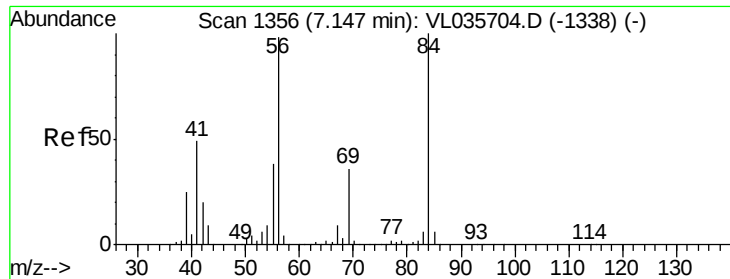
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

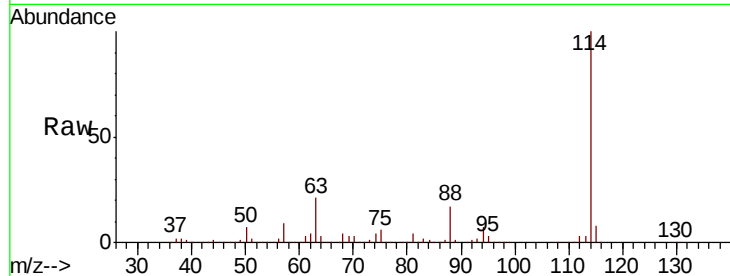




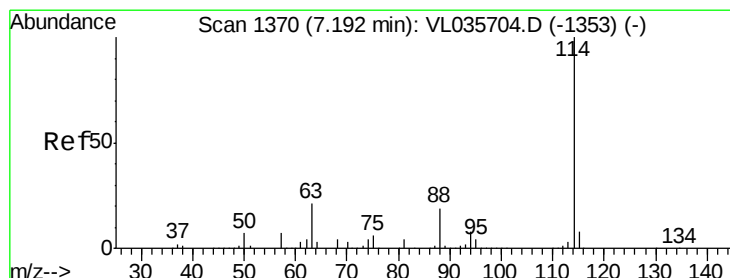
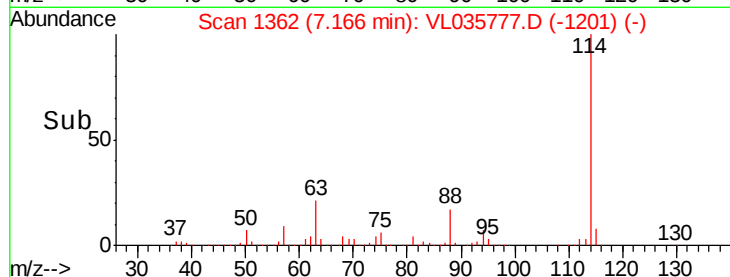
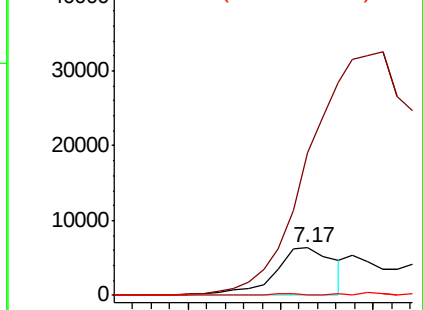
#30
Cyclohexane
Concen: 0.061 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VL035777.D
Acq: 13 Oct 2020 00:51

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 5722
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 0.0 41.1 61.7#

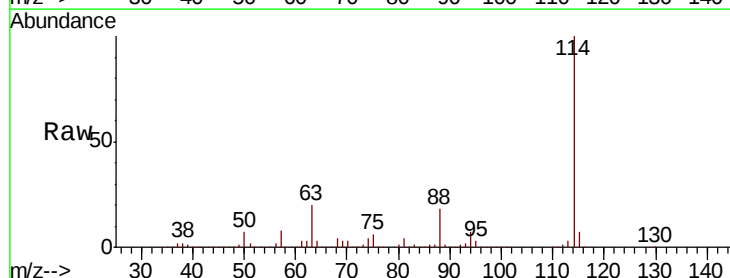


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

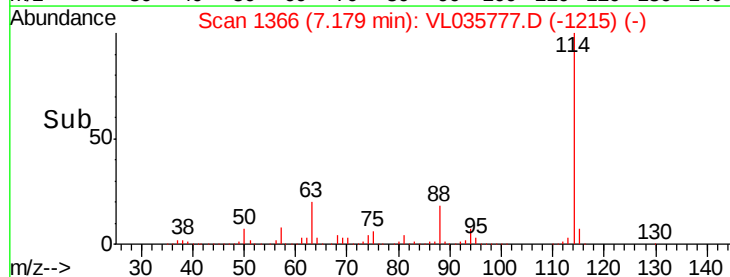
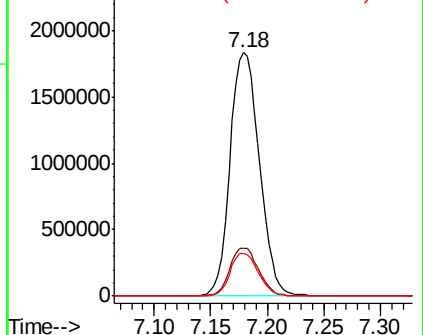


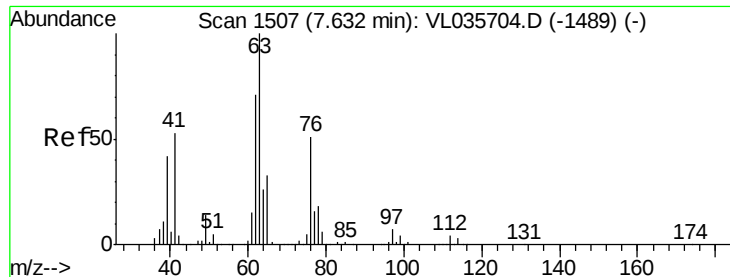
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035777.D
Acq: 13 Oct 2020 00:51

Tgt Ion: 114 Resp: 3326044
Ion Ratio Lower Upper
114 100
63 19.6 16.1 24.1
88 17.0 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

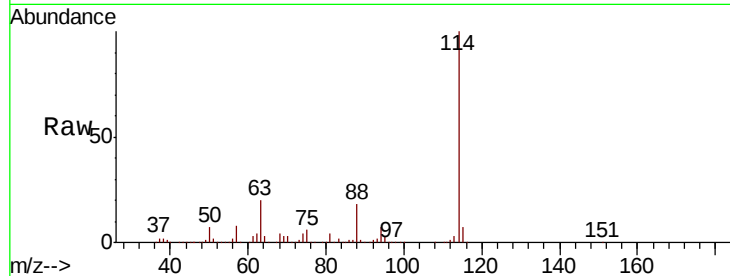




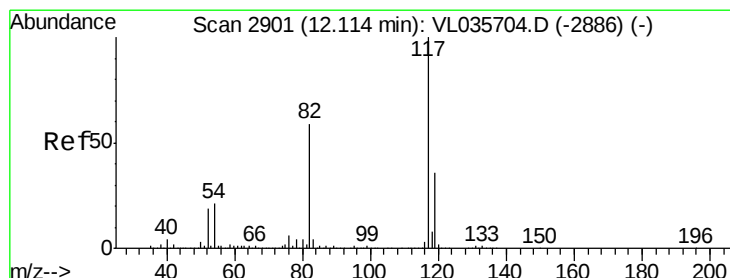
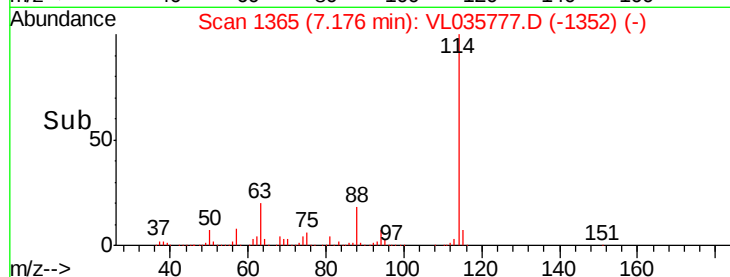
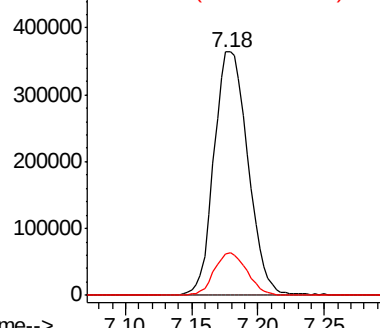
#39
 1,2-Dichloropropane
 Concen: 8.274 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.46 min
 Lab File: VL035777.D
 Acq: 13 Oct 2020 00:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	17.2	56.5	84.7#

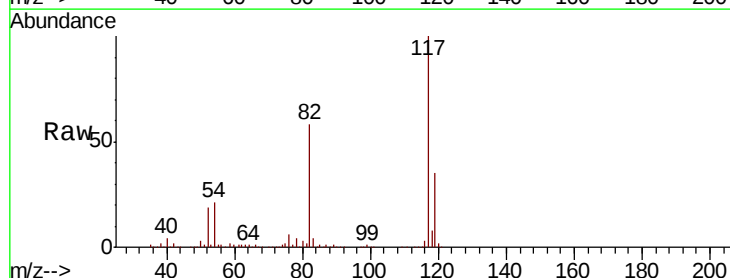


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

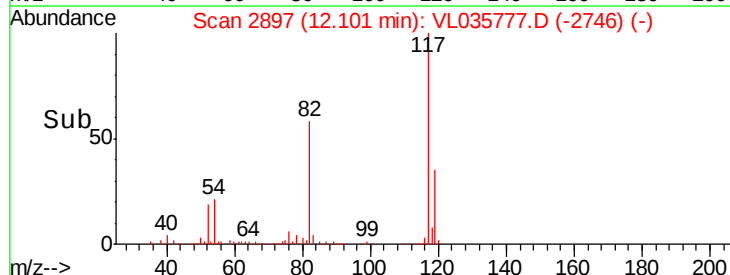
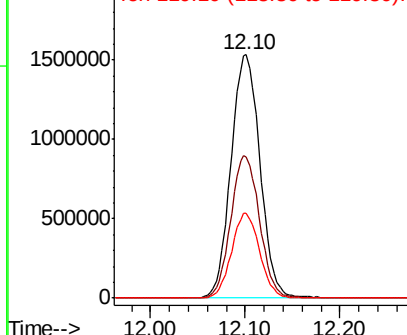


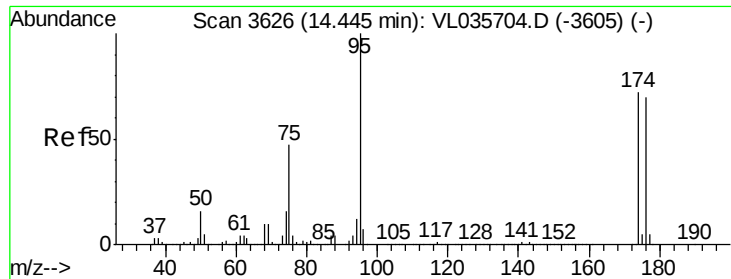
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. -0.01 min
 Lab File: VL035777.D
 Acq: 13 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.1	69.1
119	33.9	28.0	42.0



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: 9.656 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035777.D

Acq: 13 Oct 2020 00:51

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

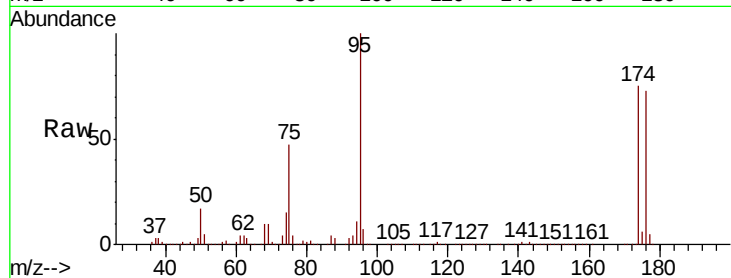
Tot Ion: 95 Resp: 2374319

Ion Ratio Lower Upper

95 100

174 77.7 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

