

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035978.D
 Acq On : 18 Nov 2020 18:08
 Operator : SY/AP
 Sample : L4773-01DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Nov 19 08:11:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1108784	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3921384	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	3760736	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2774435	10.38	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

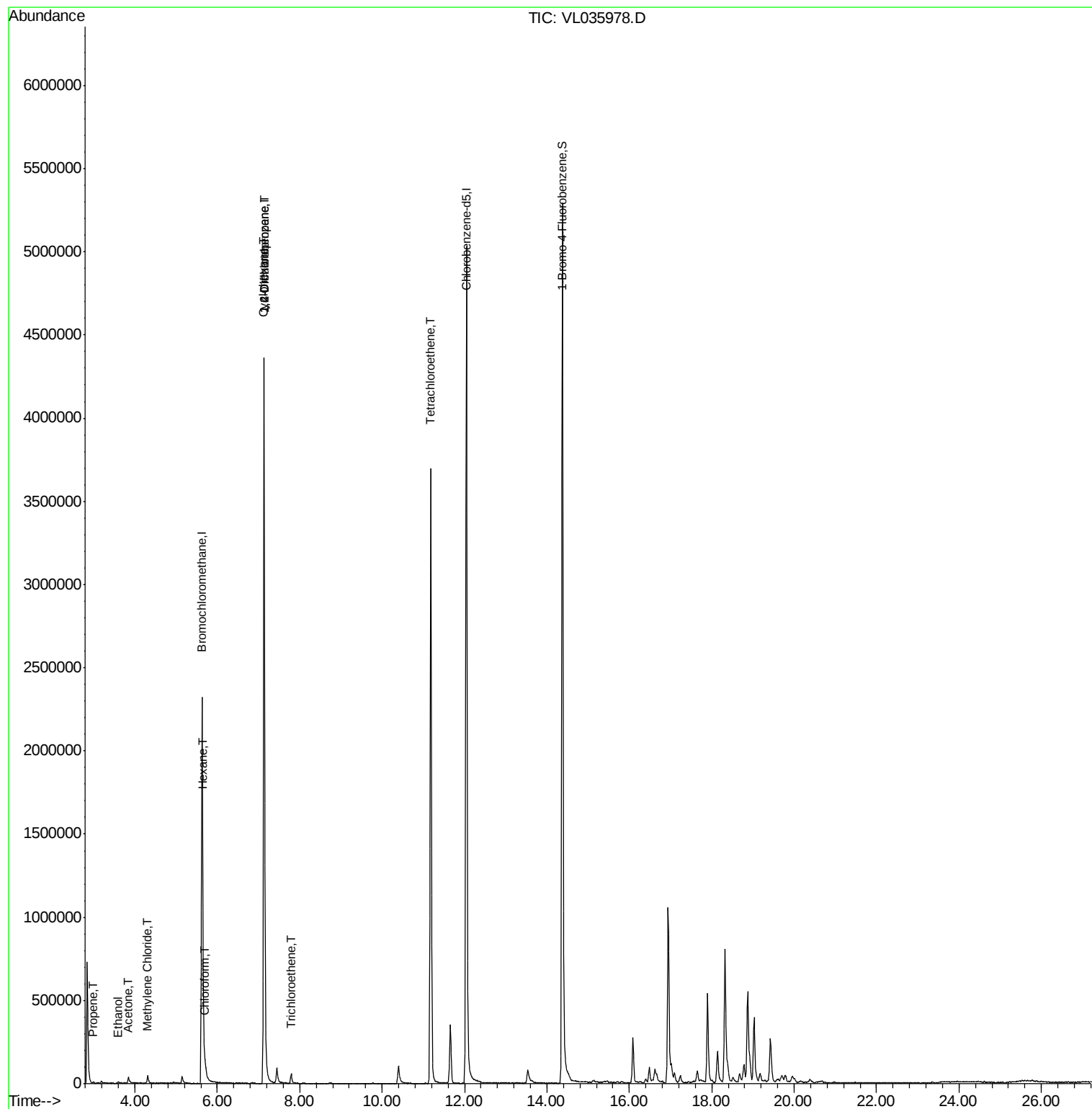
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	2428	0.050	ppbv #	62
13) Ethanol	3.59	45	7117	0.675	ppbv	70
15) Acetone	3.84	43	34446	0.291	ppbv #	29
20) Methylene Chloride	4.31	84	21684	0.260	ppbv	92
26) Hexane	5.65	57	4913	0.038	ppbv #	45
29) Chloroform	5.71	83	30335	0.120	ppbv	89
30) Cyclohexane	7.12	84	8914	0.064	ppbv #	6
38) Trichloroethene	7.79	130	23777	0.167	ppbv	97
39) 1,2-Dichloropropane	7.13	63	795479	8.105	ppbv #	30
52) Tetrachloroethene	11.18	164	996806	7.217	ppbv	94

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 883

Delta R.T. -0.04 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

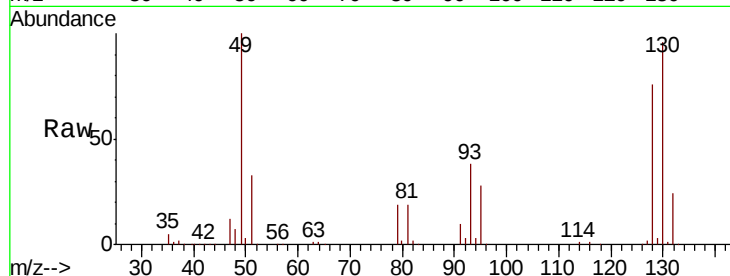
Tot Ion: 49 Resp: 1108784

Ion Ratio Lower Upper

49 100

128 78.0 41.5 124.6

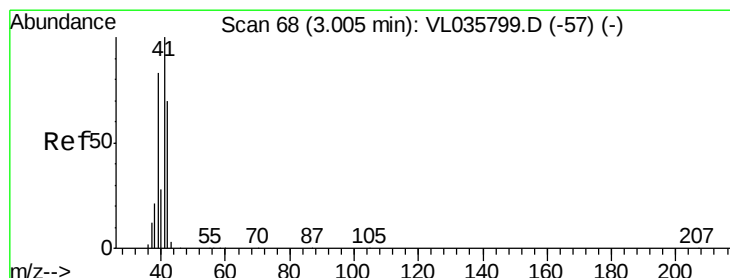
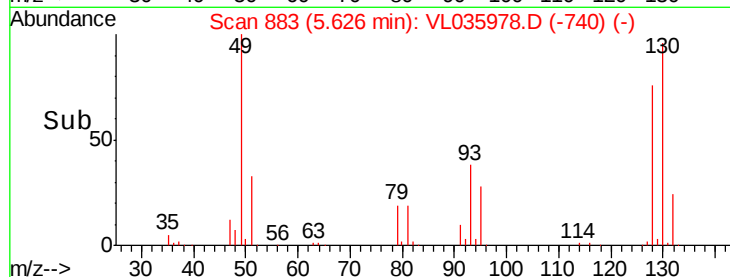
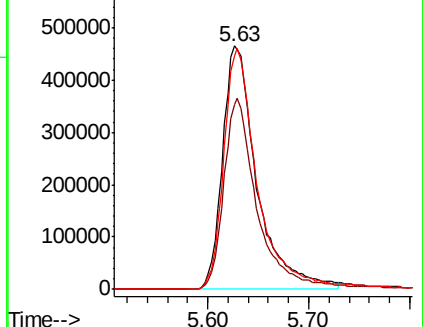
130 100.2 53.7 161.1



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: 0.050 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035978.D

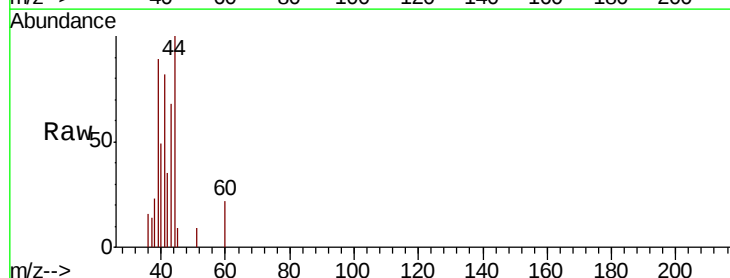
Acq: 18 Nov 2020 18:08

Tgt Ion: 41 Resp: 2428

Ion Ratio Lower Upper

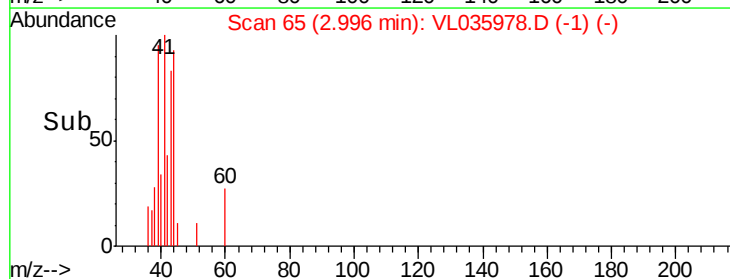
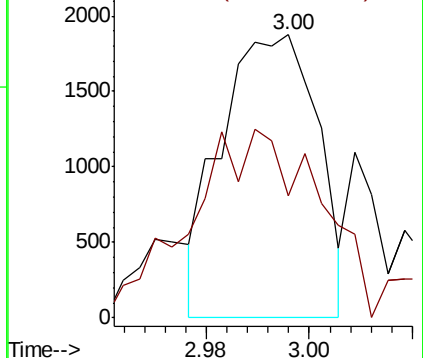
41 100

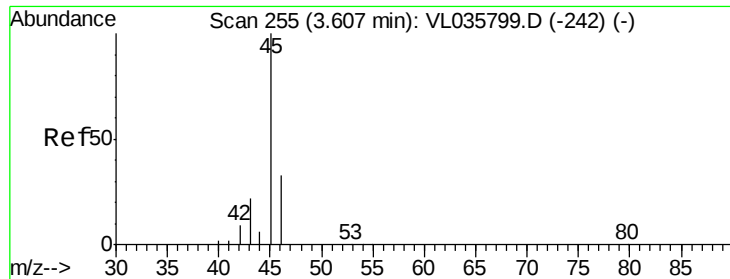
42 101.5 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.675 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_L

ClientSampleId :

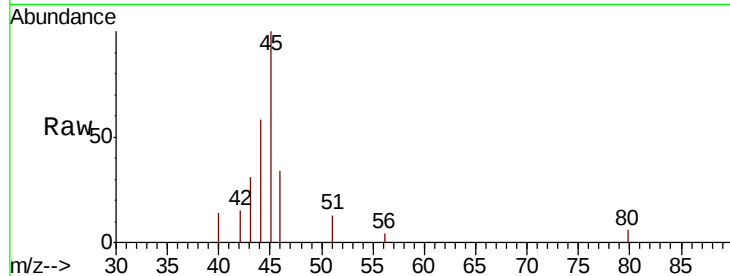
SV1DL2

Tot Ion: 45 Resp: 7117

Ion Ratio Lower Upper

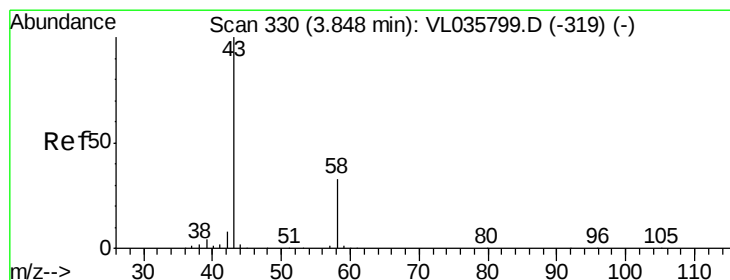
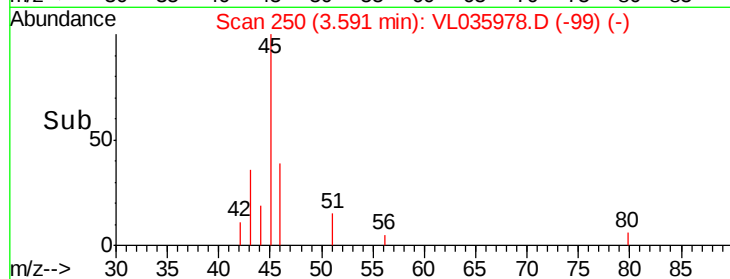
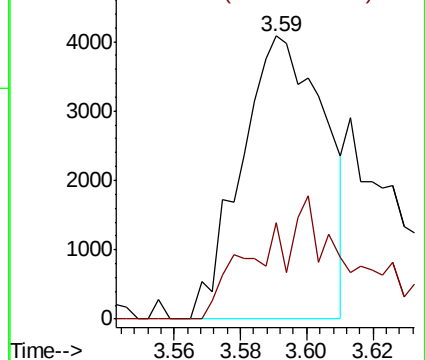
45 100

46 59.0 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.291 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035978.D

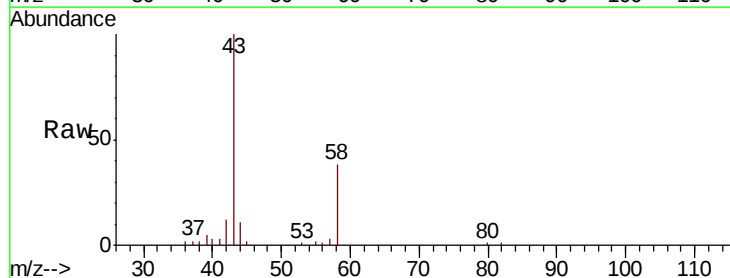
Acq: 18 Nov 2020 18:08

Tgt Ion: 43 Resp: 34446

Ion Ratio Lower Upper

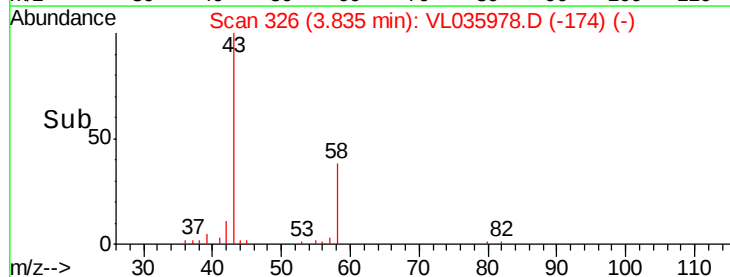
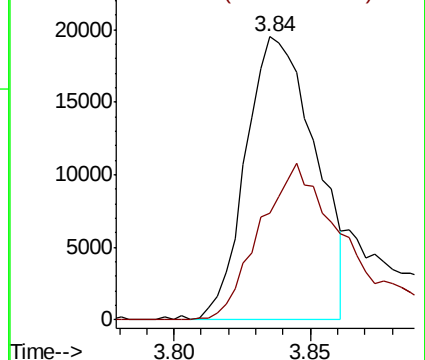
43 100

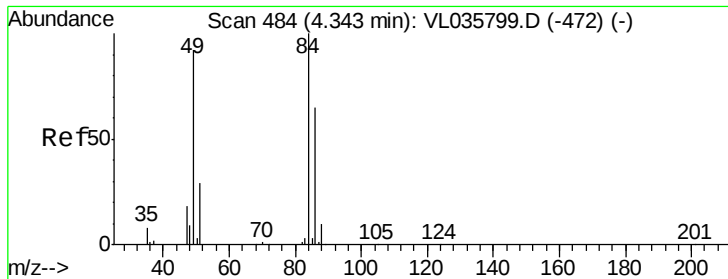
58 75.1 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

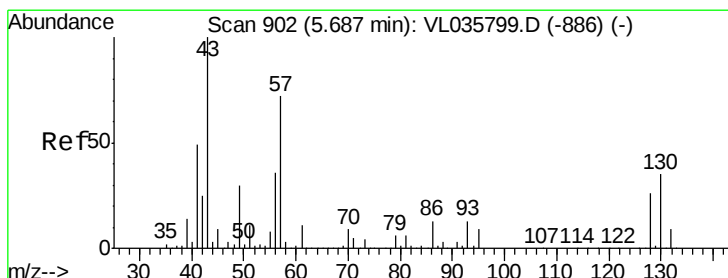
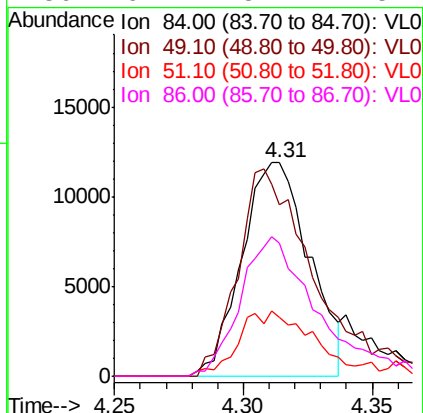
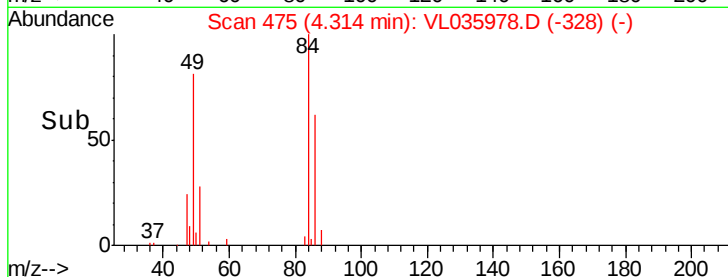
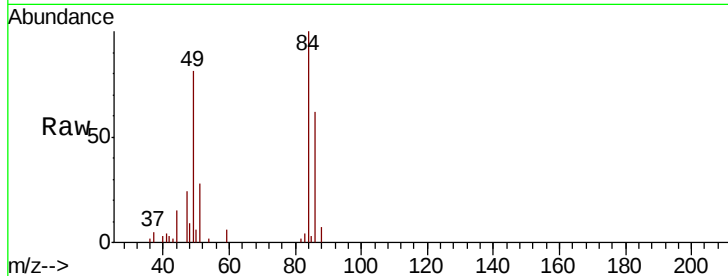




#20
Methylene Chloride
Concen: 0.260 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

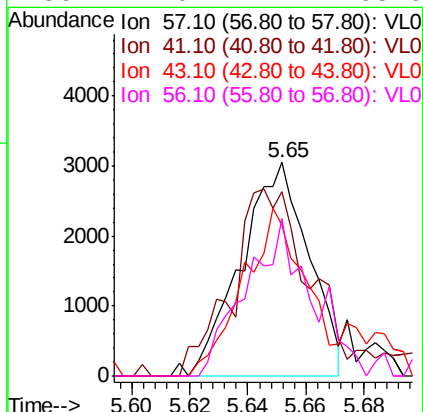
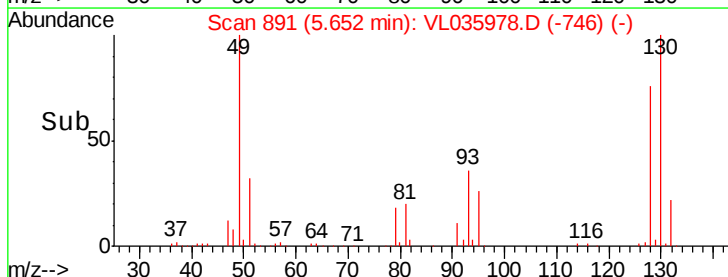
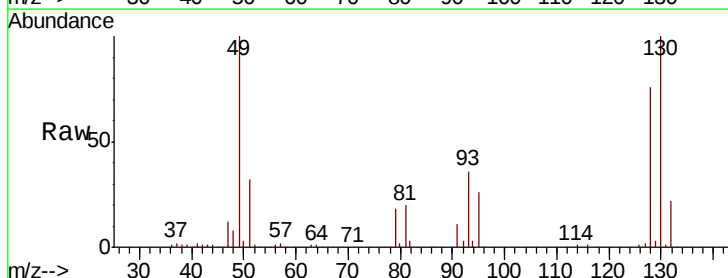
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

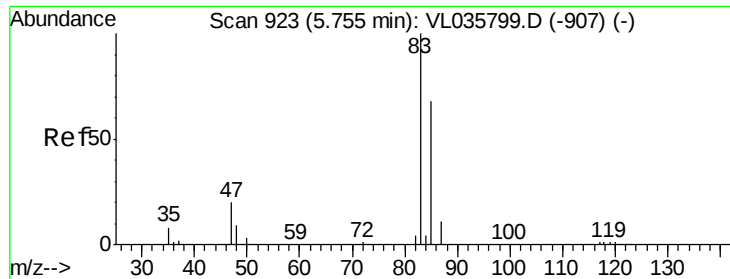
Tot Ion:	84	Resp:	21684
Ion	Ratio	Lower	Upper
84	100		
49	80.6	73.8	110.8
51	27.5	23.0	34.4
86	62.2	52.1	78.1



#26
Hexane
Concen: 0.038 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.04 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Tgt Ion:	57	Resp:	4913
Ion	Ratio	Lower	Upper
57	100		
41	108.5	58.9	88.3#
43	89.2	150.2	225.2#
56	74.0	42.4	63.6#

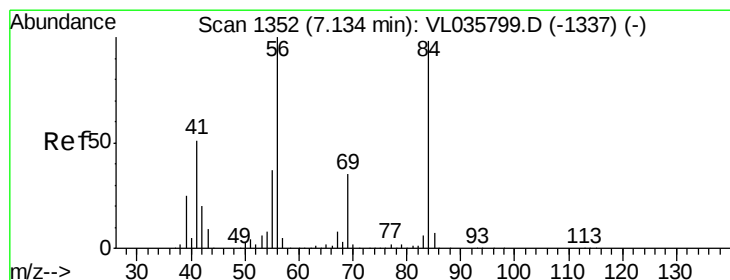
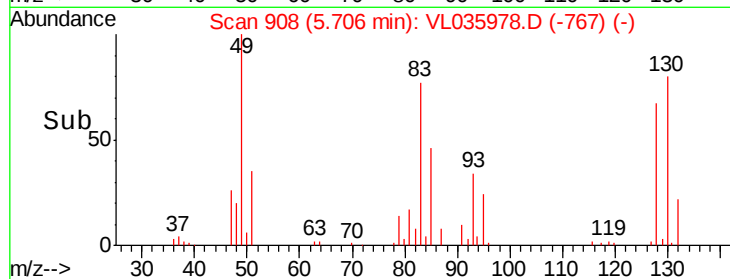
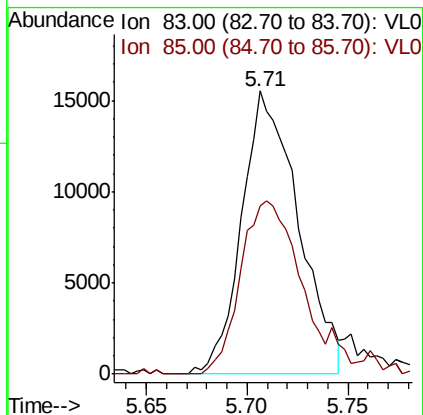
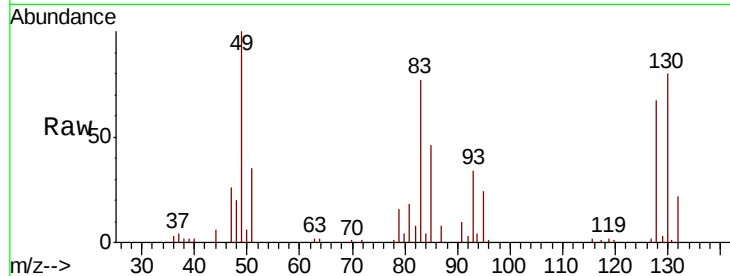




#29
Chloroform
Concen: 0.120 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.05 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

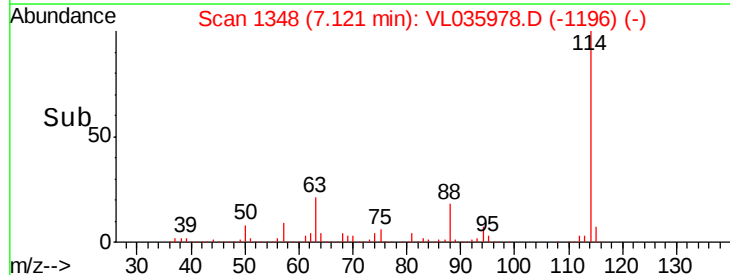
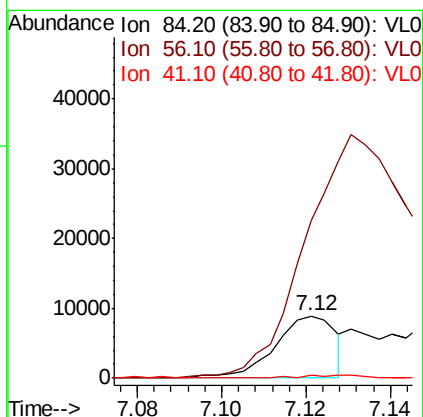
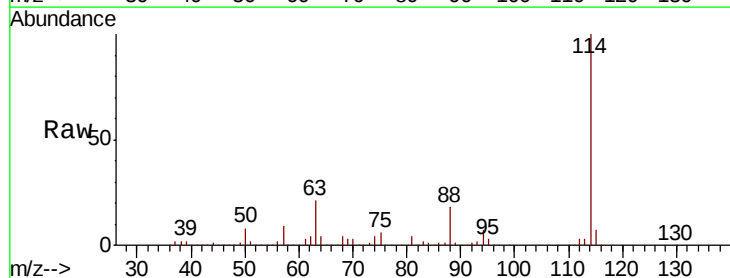
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

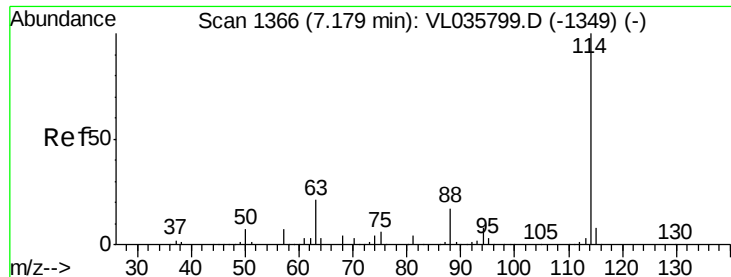
Tot Ion: 83 Resp: 30335
Ion Ratio Lower Upper
83 100
85 59.6 54.6 81.8



#30
Cyclohexane
Concen: 0.064 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 84 Resp: 8914
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.04 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

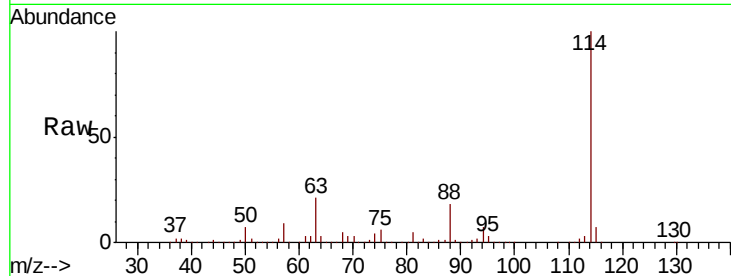
Tot Ion:114 Resp: 3921384

Ion Ratio Lower Upper

114 100

63 20.6 16.1 24.1

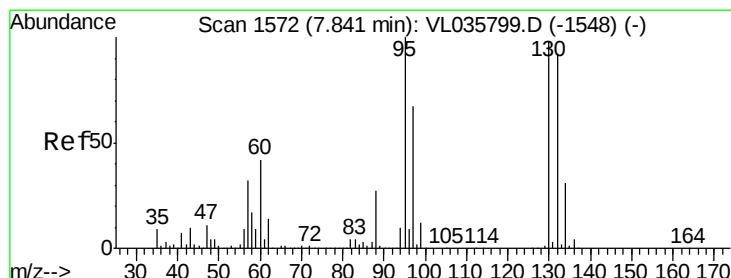
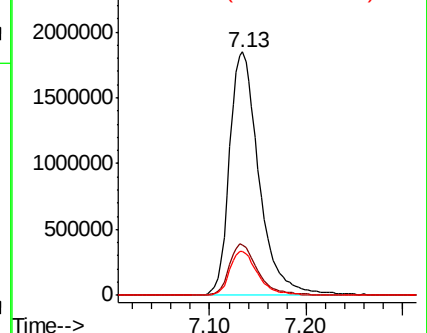
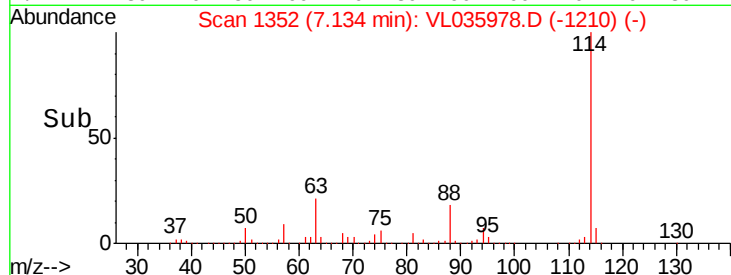
88 17.4 13.7 20.5



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



#38

Trichloroethene

Concen: 0.167 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Tgt Ion:130 Resp: 23777

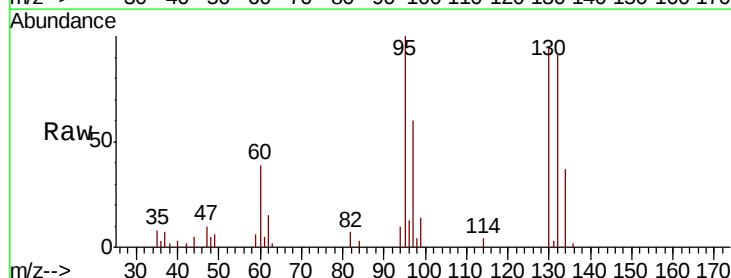
Ion Ratio Lower Upper

130 100

95 105.2 81.6 122.4

132 95.2 75.1 112.7

97 63.3 54.6 81.8

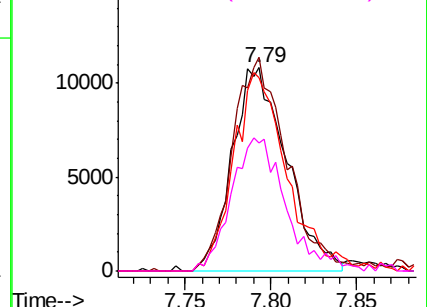
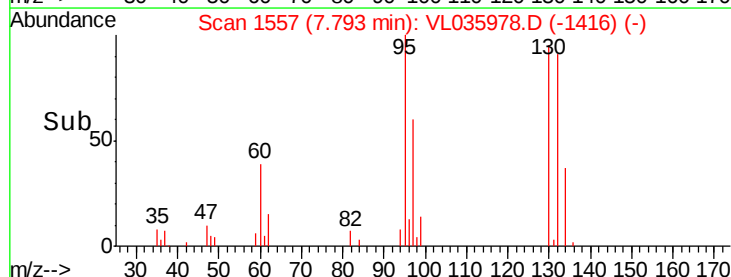


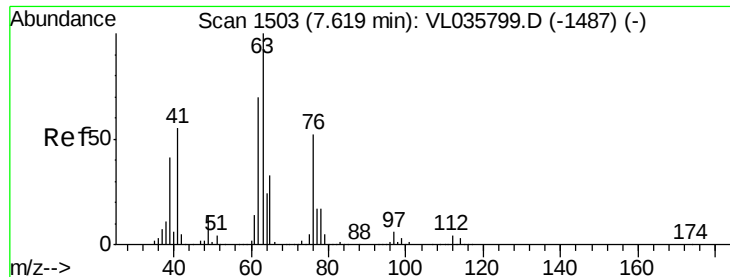
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

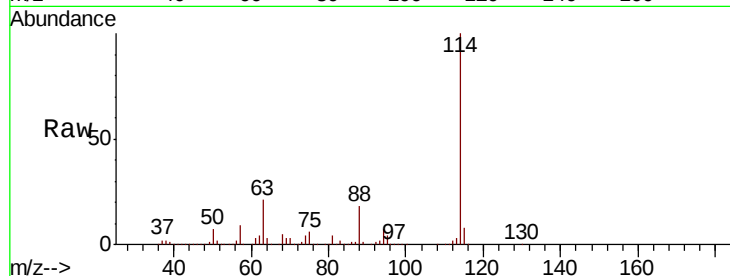




#39
 1,2-Dichloropropane
 Concen: 8.105 ppbv
 RT: 7.13 min Scan# 1351
 Delta R.T. -0.49 min
 Lab File: VL035978.D
 Acq: 18 Nov 2020 18:08

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	43.8	65.6#
62	16.8	56.2	84.2#

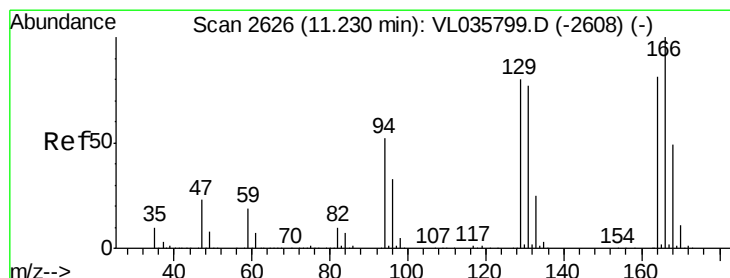
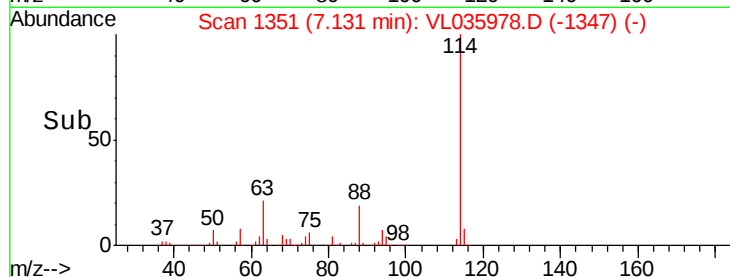
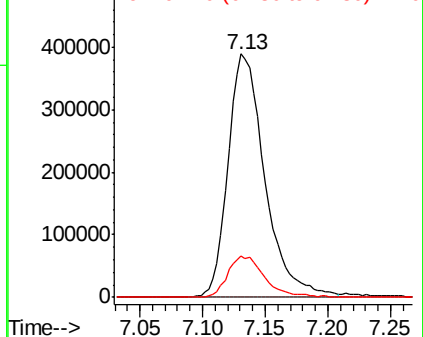


Abundance

Ion 63.10 (62.80 to 63.80): VL0

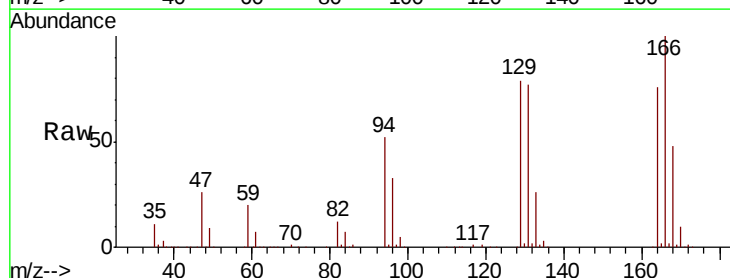
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#52
 Tetrachloroethene
 Concen: 7.217 ppbv
 RT: 11.18 min Scan# 2611
 Delta R.T. -0.05 min
 Lab File: VL035978.D
 Acq: 18 Nov 2020 18:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	99.3	148.9
129	104.6	79.3	118.9
131	101.4	76.5	114.7



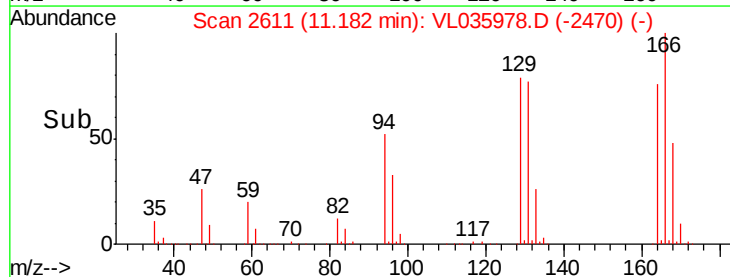
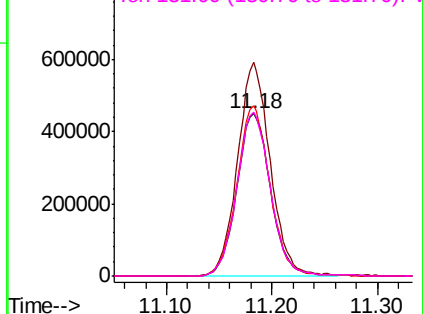
Abundance

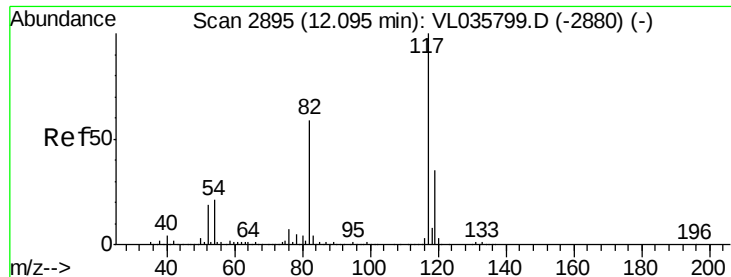
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

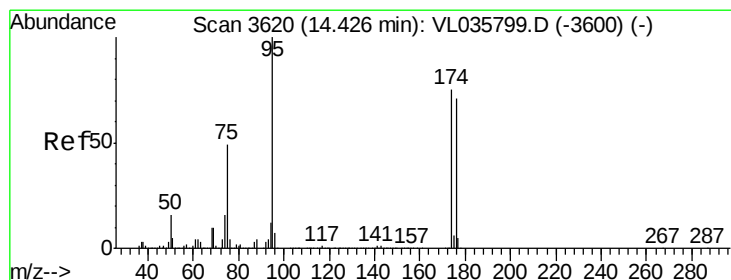
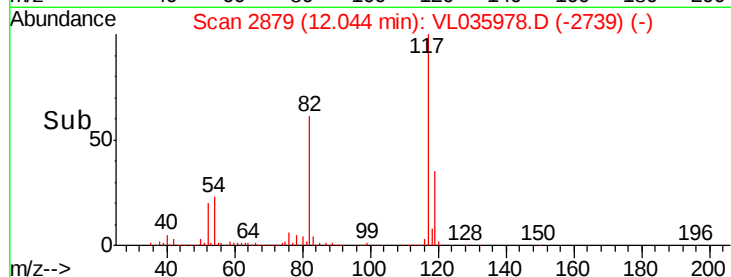
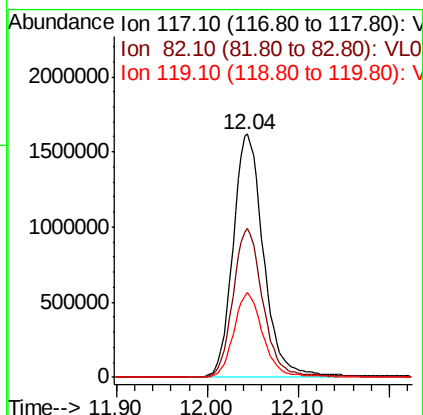
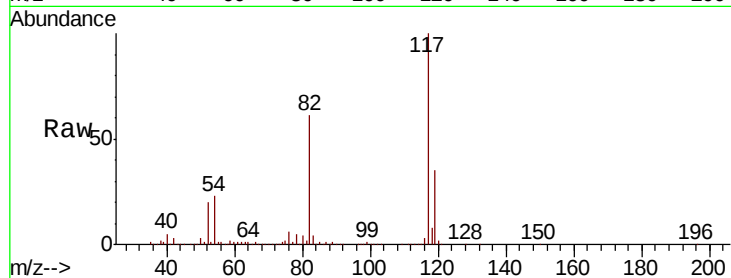




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2879
Delta R.T. -0.05 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion:117 Resp: 3760736
Ion Ratio Lower Upper
117 100
82 61.3 50.6 76.0
119 34.1 52.6 78.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.384 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.05 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 95 Resp: 2774435
Ion Ratio Lower Upper
95 100
174 72.0 59.8 89.6
175 5.1 4.3 6.5

